

ADDENDUM
GROOMING ACTIVITY OF ALBINO MICE
EFFECT OF CHLORDIAZEPOXIDE AND [REDACTED] 1900

INTRODUCTION

Chlordiazepoxide and [REDACTED] 1900 were employed to explore the usefulness of a test based on the grooming behavior of albino mice, according to the method of O. Rohte, (Brit. J. Pharmac., 34:236, 1968) for the detection of sedative agents. Rohte states that the main advantage of this test is that it reduces the difficulties in testing weak sedatives by providing a releaser mechanism to the instinctive grooming movements of white mice. Rohte found that administration of certain test substances was associated with a significant inhibition of grooming movements compared with control group.

METHOD

Apparatus - Observation boxes were clear plastic with dimensions of 5.5 x 10 x 5 in³. The boxes were covered with wire screening and the bottoms were lined with cardboard. Activated carbon, Darco grade S-51 of the Atlas Powder Company, was used to cover the mice. All injections were made with a 25-gauge needle and glass syringes.

Subjects - The subjects were 60 female albino mice (19-31 grams), HR/ICR strain supplied from the [REDACTED]
[REDACTED]

[REDACTED] [REDACTED] [REDACTED]

Procedure - The test mice were covered with pulverized charcoal and the intensity of blackening and its pattern were noted at 1.5 hour intervals up to 6 hours. The observations were graded on a 3-point scale: 1 = white to light grey; 2 = medium grey; 3 = dark grey to black.

A. Chlordiazepoxide. Five subjects per dose level per day received Chlordiazepoxide (Librium HCl) intravenously between 8 a.m. and 10 a.m. or a saline solution (control). Dose levels of Chlordiazepoxide were 125 mg/kg, 63 mg/kg, 32 mg/kg, 3.2 mg/kg, and 0.32 mg/kg. Saline given at a level of 10 ml/kg (largest drug volume of solution injected). All animals at a single dose level were injected on the same day. After injection the animal was placed in a jar containing the powdered carbon and covered by shaking the jar. The subject was then removed by tail with forceps and placed into a shoebox cage lined with sawdust for approximately 3 minutes. Subject was then placed into a plastic observation cage with ad libitum food and water. Observations of the intensity and pattern of blackening were made at one hour intervals according to the method of Rohte (1968) (see Figure 1,2). Observations were made on both dorsal (ventral) surfaces and each body area was noted as either dark, medium, or light (3,2, or 1, respectively).

B. [REDACTED] 1900. Two dose levels, 1 mg/kg and 0.1 mg/kg were tested in five mice each, according to the method used with Librium.

[REDACTED]

RESULTS

The "grooming unit" appears to accurately measure grooming activity during the first few hours of test. At later intervals grooming becomes more difficult to measure because the observer is unable to note additional grooming activity on areas which are already light. Therefore, the decreased rate of grooming toward the sixth hour in all groups except the controls (see Figure 10) may be due to the inability to measure grooming rather than an actual decrease caused by the drug.

For purposes of statistical analysis, each subject was assigned a grooming index at each hourly observation (see Table 1). The grooming index was obtained by summing the grey values (light = 1, medium = 2, dark = 3) for the six body areas a-f. Each dose group was compared with the controls in a Wilcoxon two-sample test (Laurence and Bacharach, p. 80) (see Table 2). The test was not applied to the one-hour data because of the large number of ties.

For Chlordiazepoxide, the grooming indices of the 125 and 63 mg/kg dose groups were found to be significantly decreased as compared to controls throughout the 6-hour period. The 32 mg/kg group showed a significant decrease in grooming at 2nd and 6th hour. The grooming of the 3.2 mg/kg group was found to be significantly decreased as compared to controls from the 3rd to the 6th hour. No difference in grooming was found with the 0.32 mg/kg group.

For ~~1900~~, 0.1 mg/kg was a no effect level. Mice which received ~~1900~~ at 1.0 mg/kg showed a significant decrease ($P = .05$) at the 1-3 hour intervals and very significant decrease ($P = 0.01$) at the 4-6 hour intervals, when a one tailed test is considered.



Fig. 1

Saline (10 ml/kg) -

Change in the average number of
dark, medium, + light areas over
a six hour period after injection.

n = 25

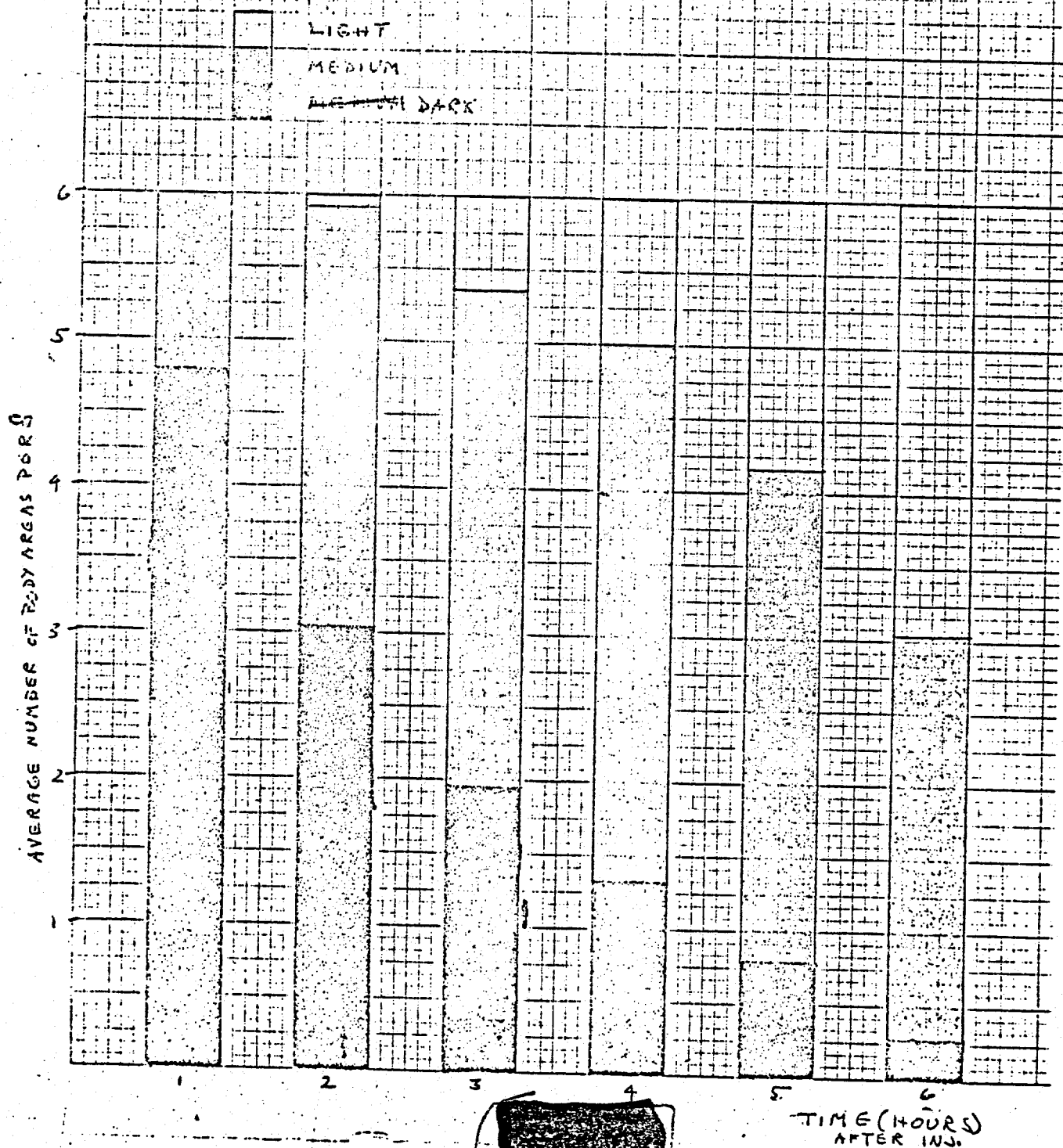


Fig. 2

Librium HCl (0.32 mg/kg i.v.) -

Change in the average number of
dark, medium, + light areas over
a six hour period after injection.

n = 5

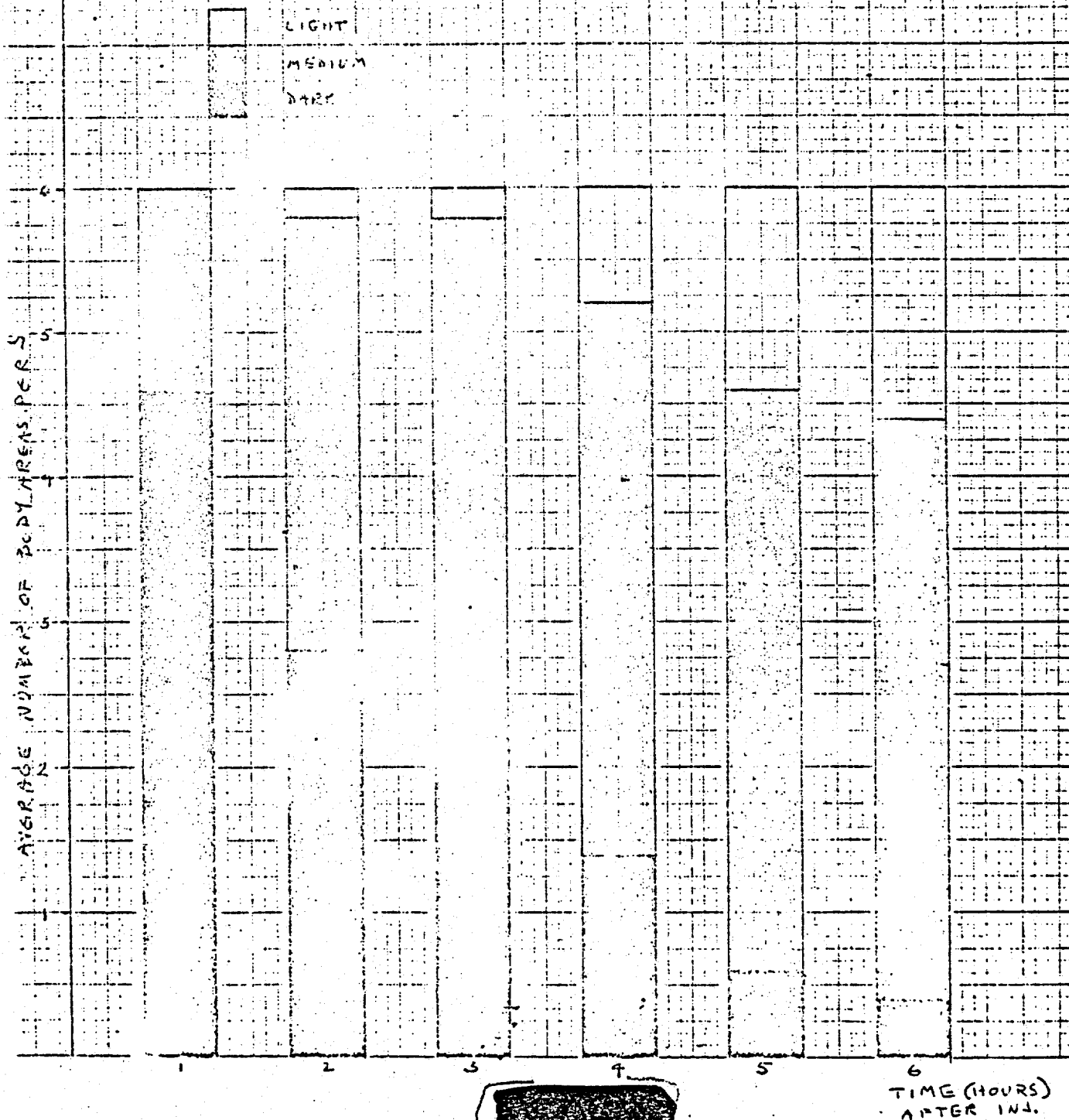


Fig. 3.

Librium HCl (3.2 mg/kg l.v.) -

Change in the average number of
dark, medium, + light areas over a
six hour period after injection.

n=5

LIGHT
MEDIUM
DARK

AVERAGE NUMBER OF BODY AREAS PER S

12 X 12 PER INCH

TIME (HOURS)
AFTER INJ.

TABLE 1.

DISTRIBUTION OF VALUES OF THE GROOMING INDEX AT
EACH 1-HOUR OBSERVATION FOR 5 DOSE LEVELS OF
LIBRIUM HCl AND FOR SALINE CONTROLS

Hour	Librium HCl (mg/kg)					Saline (10 ml/kg)				
	125	63	32	3.2	0.32					
1	18	17	17	17	17	17	15	17	17	17
	18	17	17	17	17	17	17	17	15	17
	17	17	17	17	17	18	17	16	15	17
	18	18	17	16	17	17	17	17	17	17
	18	17	17	17	15	18	17	18	17	17
2	18	16	17	17	17	15	12	16	15	17
	18	17	16	17	16	14	17	16	14	17
	17	17	17	16	14	17	12	15	13	16
	18	17	17	16	13	14	16	15	14	14
	18	17	16	15	12	16	12	18	13	16
3	18	16	17	17	17	12	8	13	15	17
	18	17	14	17	15	13	12	15	12	14
	17	17	16	16	13	17	9	15	12	14
	18	16	15	15	13	11	15	14	13	14
	18	17	11	14	12	14	9	17	12	15
4	18	16	17	17	16	11	8	12	12	16
	18	17	13	17	13	13	10	15	12	13
	17	17	14	14	13	16	7	12	11	13
	18	16	13	14	11	9	13	12	13	14
	18	17	11	13	10	12	11	17	12	14
5	18	16	17	17	13	10	8	12	11	14
	18	17	11	17	13	7	10	12	8	13
	17	17	13	14	11	15	7	10	11	13
	18	16	13	13	10	8	9	11	13	14
	18	17	11	11	9	10	7	17	11	14
6	18	16	17	17	13	8	8	10	8	14
	17	17	11	16	11	7	9	11	6	11
	17	17	13	13	11	11	7	8	8	13
	17	16	13	11	10	7	7	10	10	11
	17	17	11	11	9	9	7	15	7	11
n	5	5	5	5	5	25				

TABLE 2.

-VALUES FOR A TWO-TAILED TEST
ON 5 DOSE LEVELS OF LIBRIUM HCl

Hour	Wilcoxon 2-Sample Test*				
	Librium HCl				
	125 mg/kg	63 mg/kg	32 mg/kg	3.2 mg/kg	0.32 mg/kg
2	< 0.01	0.02	0.05	(> 0.05)	(> 0.05)
3	< 0.01	< 0.01	(> 0.05)	0.05	(> 0.05)
4	< 0.01	< 0.01	(> 0.05)	0.02	(> 0.05)
5	< 0.01	< 0.01	(> 0.05)	0.02	(> 0.05)
6	< 0.01	< 0.01	0.01	< 0.01	(> 0.05)

() = Not significant

* Rumke, C. L., and de Jonge, H., Chapt. 3, Design, Statistical Analyses and Interpretation in Vol. I Evaluation of Drug Activities: Pharmacometrics ed. by Lawrence, D. R., and Bacharach, A. L., Academic Press, N. Y. 1964

TABLE 3.

DISTRIBUTION OF VALUES OF GROOMING INDEX AT EACH 1-HOUR
OBSERVATION FOR EACH OF 2 DOSE LEVELS OF [REDACTED] 1900

<u>Hour</u>	<u>Scores for Individual Mice</u>									
	<u>[REDACTED] 1900 - 1 mg/kg</u>					<u>[REDACTED] 1900 - 0.1 mg/kg</u>				
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1	18	18	18	18	18	17	15	17	18	16
2	17	17	18	17	17	15	11	17	14	10
3	16	17	17	17	16	12	12	17	12	8
4	16	16	17	16	16	12	11	13	11	7
5	16	14	17	15	12	11	10	10	10	6
6	14	14	16	15	12	10	7	10	8	6

TABLE 4.

P VALUES FOR 2-TAILED TEST OF 1900 0.1 MG/KG
VERSUS 1900 1.0 MG/KG DOSE LEVELS

<u>Hour</u>	<u>P Values</u>
1	.05
2	.05
3	.10
4	.02
5	.02
6	.02

LD50 36.0 -28.0-45.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 63.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE				
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0		
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*	120
32.0	3.2	2/2	DEC SENSITIVITY TO PAIN	229	30		180
32.0	3.2	2/2	INC SENSITIVITY TO SOUND	130	0	***	300
32.0	3.2	2/2	INC SENSITIVITY TO TOUCH	131	0	*** G	300
32.0	3.2	2/2	DEC REARING FREQUENCY	632	30		120
32.0	3.2	2/2	STRAUB TAIL	233	0		15
32.0	3.2	2/2	MIXED CONVULSIONS	336	0		15
32.0	3.2	2/2	AUDIOGENIC SEIZURE	536	0		30
32.0	3.2	2/2	DEC PREENING	240	8		120
32.0	3.2	2/2	RUBBING NOSE	340	8		30
32.0	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0		30
32.0	3.2	2/2	BLINKING-EXCESSIVE	247	8		30
32.0	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	8	*	120
32.0	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	0		240
32.0	3.2	2/2	MYDRIASIS	154	0	**	1440
32.0	3.2	2/2	SALIVATION	57	8	***	60
32.0	3.2	2/2	INC URINATION	158	30		60
32.0	3.2	1/2	INC RESPIRATORY DEPTH	161	0		8
32.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		60

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
32.0	3.2	1/2	INC RESPIRATORY RATE	162	0	*	8
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	60
32.0	3.2	2/2	MOT DEF HORIZONTAL WIRE	171	0	***	60
32.0	3.2	2/2	MOT DEF VERTICAL SCREEN	271	0	***	60
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	60
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	0	***	60
32.0	3.2	2/2	MOT DEF ROTA-ROD	771	0	***	60
32.0	3.2	2/2	MOT DEF INCLINED STRIP	671	0	***	60
32.0	3.2	1/2	ABNORMAL VIBRISSAE	172	8		60
32.0	3.2	2/2	LOW CARRIAGE	175	8		60
10.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	30	*	120
10.0	10.0	2/2	DEC SENSITIVITY TO PAIN	229	30		180
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	0	***	G 300
10.0	10.0	1/2	DEC REARING FREQUENCY	632	30		120
10.0	10.0	1/2	MYDRIASIS	154	30	**	120
10.0	10.0	2/2	SALIVATION	57	8	***	60
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		30
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	30
3.2	3.2	1/2	DEC SENSITIVITY TO PAIN	229	15		180
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	0	*	G 300
1.0	10.0	1/2	ABNORMAL REACTION TO PAIN	429	120		G 240
1.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	15		G 240
0.32	3.2	2/2	NO EFFECT	73			
50.0	5.0	2/2	DEATH	74	0		
40.0	4.0	2/2	DEATH	74	0		
32.0	3.2	0/2	DEATH	74	0		
25.0	2.5	0/2	DEATH	74	0		

DIL.

H2O QS C H2O

LD50 100.0 -63.0-160.0-
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 56.0

STATE SOLID

INTRAVENOUS TOXICITY TO MICE							
DOSE	DILUT	REACT.	REACTION SIGN	MIN.	DEG-	MIN. TO	
MG/KG	ML/KG	FRACT.		APPR	REE	RECOVER	
100.0	1.0	1/2	DEATH	74	0		
100.0	1.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 180	
100.0	1.0	1/2	DEC SENSITIVITY TO TOUCH	231	0	* 60	
100.0	1.0	1/2	DEC SENSITIVITY TO SOUND	230	0	* 60	
100.0	1.0	1/2	DEC PREENING	240	0	120	
100.0	1.0	1/2	EXTENSION OF LIMBS	341	0	15	
100.0	1.0	1/2	PROSTRATION	43	0	15	
100.0	1.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	8	*** 180	
100.0	1.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	15	60	
100.0	1.0	1/2	MYDRIASIS	154	15	* 60	
100.0	1.0	1/2	DEC RESPIRATORY DEPTH	261	0	30	
100.0	1.0	1/2	INC RESPIRATORY DEPTH	161	30	120	
100.0	1.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	30	
100.0	1.0	1/2	DEC RESPIRATORY RATE	262	30	120	
100.0	1.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	30	
100.0	1.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	*** 15	
100.0	1.0	1/2	MOT DEF VERTICAL SCREEN	271	0	*** 15	
100.0	1.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	*** 15	
100.0	1.0	1/2	MOT DEF VERTICAL ROD	371	0	*** 30	
100.0	1.0	1/2	MOT DEF ROTA-ROD	771	0	*** 15	
100.0	1.0	1/2	MOT DEF INCLINED STRIP	671	0	*** 30	

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER
32.0	0.64	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	120
32.0	0.64	1/2	DEC SENSITIVITY TO PAIN	229	30	*	60
32.0	0.64	1/2	ABNORMAL REACTION TO PAIN	429	30	*	60
32.0	0.64	2/2	DEC SENSITIVITY TO TOUCH	231	0	*	60
32.0	0.64	2/2	SOCIAL INTERACTION ALTERED	132	0		180
32.0	0.64	2/2	DEC REARING FREQUENCY	632	0		120
32.0	0.64	2/2	ATAXIA	35	0	***	15
32.0	0.64	2/2	DEC PREENING	240	0		180
32.0	0.64	1/2	LOW POSTURE	241	0		30
32.0	0.64	2/2	EXTENSION OF LIMBS	341	0		30
32.0	0.64	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	***	120
32.0	0.64	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		60
32.0	0.64	1/2	MYDRIASIS	154	8	**	60
32.0	0.64	2/2	INC RESPIRATORY DEPTH	161	0		120
32.0	0.64	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		30
32.0	0.64	2/2	DEC RESPIRATORY RATE	262	0		120
32.0	0.64	2/2	IRREGULAR RESPIRATORY RATE	362	0		30
32.0	0.64	1/2	MOT DEF HORIZONTAL WIRE	171	0	***	15
32.0	0.64	1/2	MOT DEF VERTICAL SCREEN	271	0	***	15
32.0	0.64	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	30
32.0	0.64	1/2	MOT DEF VERTICAL ROD	371	0	***	15
32.0	0.64	1/2	MOT DEF ROTA-ROD	771	0	***	30
32.0	0.64	1/2	MOT DEF INCLINED STRIP	671	0	***	30
10.0	1.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	120
10.0	1.0	1/2	DEC SENSITIVITY TO PAIN	229	30		180
10.0	1.0	2/2	DEC SENSITIVITY TO TOUCH	231	0	*	60
10.0	1.0	2/2	SOCIAL INTERACTION ALTERED	132	0		180
10.0	1.0	2/2	DEC REARING FREQUENCY	632	0		120
10.0	1.0	2/2	DEC PREENING	240	0		120
10.0	1.0	1/2	LOW POSTURE	241	30		180
10.0	1.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	***	120
10.0	1.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		30
10.0	1.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		30
10.0	1.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	***	8
10.0	1.0	1/2	MOT DEF VERTICAL SCREEN	271	0	***	8
10.0	1.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	***	30
10.0	1.0	1/2	MOT DEF VERTICAL ROD	371	0	***	8
10.0	1.0	1/2	MOT DEF ROTA-ROD	771	0	***	15
10.0	1.0	1/2	MOT DEF INCLINED STRIP	671	0	***	30
3.2	1.6	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*	120
3.2	1.6	2/2	SOCIAL INTERACTION ALTERED	132	30		120
3.2	1.6	2/2	DEC REARING FREQUENCY	632	30		120

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
3.2	1.6	2/2	DEC PREENING	240	30		120
3.2	1.6	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	*	120
1.0	0.50	2/2	NO EFFECT	73			
130.0	1.3	2/2	DEATH	74	0		
79.0	0.79	0/2	DEATH	74	0		
63.0	0.63	1/2	DEATH	74	0		
DIL.	100% PEG 300 QS C 100% PEG 300						

LD50 100.0 -79.0-120.0-
 MED50 5.6 -1.8-18.0-
 RATIO LD50/MED50 18.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
100.0	10.0	1/2	DEATH	74	0		
100.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	15	***	300
100.0	10.0	1/2	DEC SENSITIVITY TO PAIN	229	30		240
100.0	10.0	1/2	ABNORMAL REACTION TO PAIN	429	240		300
100.0	10.0	1/2	DEC SENSITIVITY TO TOUCH	231	30	***	240
100.0	10.0	1/2	DEC REARING FREQUENCY	632	0		300
100.0	10.0	1/2	EXTENSION OF LIMBS	341	15		120
100.0	10.0	1/2	PROSTRATION	43	15		120
100.0	10.0	1/2	EXOPHTHALMOS	46	0		8
100.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	15	***	300
100.0	10.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		180
100.0	10.0	1/2	MYDRIASIS	154	8	**	180
100.0	10.0	1/2	INC RESPIRATORY DEPTH	161	0		30
100.0	10.0	1/2	DEC RESPIRATORY DEPTH	261	30		60
100.0	10.0	1/2	DEC RESPIRATORY RATE	262	0	*	60
100.0	10.0	1/2	MOT DEF HORIZONTAL WIRE	171	8	*	60
100.0	10.0	1/2	MOT DEF VERTICAL SCREEN	271	0	*	60
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	8	*	120
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	8	*	120
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	8	*	60
100.0	10.0	1/2	MOT DEF INCLINED STRIP	671	8	*	120

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
100.0	10.0	1/2	PILOERECTION	72	60		240
100.0	10.0	1/2	LOW CARRIAGE	175	0		240
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*	60
32.0	3.2	2/2	DEC REARING FREQUENCY	632	15		60
32.0	3.2	1/2	RUBBING NOSE	340	8		30
32.0	3.2	2/2	UNUSUAL POSTURE	541	0		15
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	***	120
32.0	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	8		180
32.0	3.2	2/2	MYDRIASIS	154	8	**	180
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0		30
32.0	3.2	2/2	INC RESPIRATORY RATE	162	0	*	30
32.0	3.2	1/2	MOT DEF ROTA-ROD	771	8	*	30
32.0	3.2	2/2	LOW CARRIAGE	175	0		30
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	120
10.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8		120
10.0	10.0	2/2	MYDRIASIS	154	8	*	120
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		30
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	30
3.2	3.2	2/2	NO EFFECT	73			
120.0	12.0	2/2	DEATH	74	0		
80.0	8.0	0/2	DEATH	74	0		
63.0	6.3	0/2	DEATH	74	0		
DIL.			100% STEROL DIL. SUSP QS C H2O				

LD50 110.0 -89.0-140.0-
 MED50 3.2 -1.0-10.0-
 RATIO LD50/MED50 35.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	300
100.0	10.0	2/2	DEC SENSITIVITY TO TOUCH	231	0		60
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		60
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0		300
100.0	10.0	1/2	EXTENSION OF LIMBS	341	0		30
100.0	10.0	1/2	RIGHTING REFLEX DEPR	742	0		8
100.0	10.0	2/2	PROSTRATION	43	0		30
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	*** G	300
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0		180
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0	*	180
100.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	***	60
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	0	***	60
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	120
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	***	60
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	0	***	60
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	***	120
100.0	10.0	2/2	LOW CARRIAGE	175	30		60
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	120
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		60
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0		60

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	***	60
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0		60
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	0	*	60
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	30
32.0	3.2	1/2	MOT DEF VERTICAL ROD	371	0	*	30
32.0	3.2	2/2	MOT DEF INCLINED STRIP	671	0	***	30
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	240
3.2	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	240
3.2	3.2	1/2	NO EFFECT	73			
1.0	10.0	2/2	NO EFFECT	73			
160.0	16.0	2/2	DEATH	74	0		
120.0	12.0	2/2	DEATH	74	0		
79.0	7.9	0/2	DEATH	74	0		
DIL.			100% STEROL DIL. SUSP QS C H2O				

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[REDACTED]

		INTRAVENOUS TOXICITY TO MICE					
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	120	*	G 300
3.2	3.2	1/2	LICKING COMPARTMENT WALLS	825	60		120
3.2	3.2	2/2	INC SENSITIVITY TO PAIN	129	60		300
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	8	***	G 300
3.2	3.2	2/2	HEAD TWITCH	531	30	***	300
3.2	3.2	2/2	SOCIAL INTERACTION ALTERED	132	30		120
3.2	3.2	2/2	DEC REARING FREQUENCY	632	30		180
3.2	3.2	1/2	DEC PREENING	240	30		60
3.2	3.2	1/2	INC PREENING	140	120		G 300
3.2	3.2	1/2	RUBBING NOSE	340	8		30
3.2	3.2	2/2	INC SCRATCHING	440	180		G 300
3.2	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	G 300
3.2	3.2	1/2	PHOTOPHOBIA	53	60	*	G 300
3.2	3.2	2/2	PILOERECTION	72	60		300
3.2	3.2	2/2	SKIN FLICK	79	120		G 300
1.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	30	***	G 300
1.0	10.0	1/2	LICKING COMPARTMENT WALLS	825	120		180
1.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	8	***	300
1.0	10.0	1/2	HEAD TWITCH	531	60	*	240
1.0	10.0	2/2	INC PREENING	140	120		G 300
1.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***	G 300
1.0	10.0	2/2	PHOTOPHOBIA	53	60	***	G 300
1.0	10.0	2/2	PILOERECTION	72	60		300
1.0	10.0	2/2	SKIN FLICK	79	60		300
0.32	3.2	1/2	LICKING COMPARTMENT WALLS	825	120		180
0.32	3.2	2/2	INC SENSITIVITY TO TOUCH	131	15	***	300
0.32	3.2	1/2	INC PREENING	140	120		G 300
0.32	3.2	1/2	INC SCRATCHING	440	180		G 300
0.32	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***	G 300
0.32	3.2	2/2	PHOTOPHOBIA	53	60	***	G 300
0.32	3.2	2/2	PILOERECTION	72	60		240
0.32	3.2	2/2	SKIN FLICK	79	60		300
0.10	10.0	1/2	LICKING COMPARTMENT WALLS	825	120		180
0.10	10.0	1/2	INC SENSITIVITY TO TOUCH	131	30	***	180
0.10	10.0	1/2	HEAD TWITCH	531	30	*	240
0.10	10.0	1/2	INC PREENING	140	120		240
0.10	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	120	***	G 300
0.10	10.0	2/2	PHOTOPHOBIA	53	120	***	G 300
0.10	10.0	2/2	PILOERECTION	72	60		300
0.10	10.0	2/2	SKIN FLICK	79	60		240

LD50 28.0 -22.0-36.0-
MED50 3.2-4-1.0-4-1.0-3-
RATIO LD50/MED50 8.8+4

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEATH	74	0	
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*** G 300
10.0	10.0	1/2	LICKING COMPARTMENT WALLS	825	180	240
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	*** 240
10.0	10.0	1/2	HEAD TWITCH	531	30	* 240
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	120
10.0	10.0	2/2	DEC REARING FREQUENCY	632	0	G 300
10.0	10.0	2/2	DEC PREENING	240	0	180
10.0	10.0	1/2	INC PREENING	140	180	G 300
10.0	10.0	1/2	RUBBING NOSE	340	8	60
10.0	10.0	2/2	EXOPHTHALMOS	46	0	15
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*** G 300
10.0	10.0	2/2	PHOTOPHOBIA	53	60	*** G 300
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	15
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	* 15
10.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	8	* 60
10.0	10.0	2/2	PILOERECTION	72	30	300
10.0	10.0	2/2	SKIN FLICK	79	30	G 300

LD50 36.0 -28.0-45.0-
MED50 0.56 -0.18-1.8-
RATIO LD50/MED50 63.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
00.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*** G 300
32.0	3.2	2/2	DEC SENSITIVITY TO TOUCH	231	0	* 30
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	60
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0	G 300
32.0	3.2	1/2	EXTENSION OF LIMBS	341	0	30
32.0	3.2	1/2	TREMORS-REST AND MOVEMENT	144	0	* 15
32.0	3.2	1/2	TREMORS-MOVEMENT ONLY	244	0	* 30
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	*** G 300
32.0	3.2	2/2	INC URINATION	158	8	30
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0	60
32.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	60
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	* 60
32.0	3.2	2/2	MOT DEF HORIZONTAL WIRE	171	0	*** 60
32.0	3.2	2/2	MOT DEF VERTICAL SCREEN	271	0	*** 60
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	0	*** 120
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	0	*** 180
32.0	3.2	2/2	MOT DEF ROTA-ROD	771	0	*** 120
32.0	3.2	2/2	MOT DEF INCLINED STRIP	671	0	*** 120
32.0	3.2	2/2	LOW CARRIAGE	175	0	30

INTRAVENOUS TOXICITY TO MICE							
DOSE	DILUT	REACT.	REACTION SIGN		MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
10.0	10.0	1/2	EYELID PTOSIS--NONPARALYTIC	149	60	*	240
10.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	60	*	240
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	30
3.2	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	15
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	60	*	120
0.32	3.2	2/2	NO EFFECT	73			
50.0	5.0	2/2	DEATH	74	0		
40.0	4.0	2/2	DEATH	74	0		
25.0	2.5	0/2	DEATH	74	0		

DIL.

100% STEROL DIL. SUSP QS C H2O

LD50 45.0 -36.0-56.0-
 MED50 5.6 -1.8-18.0-
 RATIO LD50/MED50 8.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	-DEG- REE	MIN. TO RECOVER
			REACTION	SIGN			
00.0	10.0	2/2	DEATH	74	0		
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	240
32.0	3.2	1/2	HEAD TWITCH	531	60	*	120
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		30
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0		240
32.0	3.2	2/2	LOW POSTURE	241	0		60
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	***	240
32.0	3.2	2/2	DYSPNEA	60	0	*	8
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0		120
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	0	*	120
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	***	60
32.0	3.2	2/2	LOW CARRIAGE	175	0		30
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	*	180
3.2	3.2	2/2	NO EFFECT	73			
63.0	6.3	2/2	DEATH	74	0		
50.0	5.0	2/2	DEATH	74	0		

INTRA VENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.		MIN. APPR	DEG- REE	MIN. TO RECOVER
40.0	4.0	0/2	DEATH	74	0	
25.0	2.5	0/2	DEATH	74	0	

DIL.

100% STEROL DIL. SUSP QS C H2O

LD50 20.0 -16.0-25.0-
 MED50 0.18 -0.056-0.56-
 RATIO LD50/MED50 110.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
100.0	10.0	2/2	DEATH		74	0	
32.0	3.2	2/2	DEATH		74	0	
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY		124	8	*** 120
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED		132	0	240
10.0	10.0	2/2	DEC REARING FREQUENCY		632	0	120
10.0	10.0	1/2	STRAUB TAIL		233	0	8
10.0	10.0	1/2	MIXED CONVULSIONS		336	0	8
10.0	10.0	1/2	OPISTHOTONOS		38	0	8
10.0	10.0	2/2	INC PREENING		140	0	120
10.0	10.0	2/2	LOW POSTURE		241	0	120
10.0	10.0	1/2	TREMORS-REST AND MOVEMENT		144	0	8
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC		149	0	*** 240
10.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS		152	8	30
10.0	10.0	2/2	MYDRIASIS		154	8	** 30
10.0	10.0	1/2	DEC RESPIRATORY DEPTH		261	30	120
10.0	10.0	1/2	INC RESPIRATORY DEPTH		161	30	120
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH		361	0	120
10.0	10.0	2/2	DEC RESPIRATORY RATE		262	30	* 120
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE		362	0	* 120

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
10.0	10.0	1/2	MOT DEF VERTICAL SCREEN	271	15	*	120
10.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	15	***	120
10.0	10.0	2/2	MOT DEF VERTICAL ROD	371	15	*	120
10.0	10.0	2/2	MOT DEF ROTA-ROD	771	15	*	120
10.0	10.0	2/2	MOT DEF INCLINED STRIP	671	15	*	120
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	120
3.2	3.2	1/2	INC SENSITIVITY TO SOUND	130	60	* G	300
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	60	* G	300
3.2	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		180
3.2	3.2	2/2	DEC REARING FREQUENCY	632	0		60
3.2	3.2	2/2	DEC REARING HEIGHT	732	0		60
3.2	3.2	2/2	DEC PREENING	240	0		120
3.2	3.2	2/2	LOW POSTURE	241	0		30
3.2	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	***	120
3.2	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	8		30
3.2	3.2	2/2	MYDRIASIS	154	8	*	30
3.2	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		120
3.2	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	120
1.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	60	* G	300
1.0	10.0	2/2	INC PREENING	140	60	* G	300
1.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	* G	300
0.32	3.2	2/2	INC SENSITIVITY TO SOUND	130	30	*	60
0.32	3.2	2/2	INC PREENING	140	60		300
0.10	10.0	2/2	NO EFFECT	73			
25.0	5.0	2/2	DEATH	74	0		
20.0	4.0	1/2	DEATH	74	0		
16.0	3.2	0/2	DEATH	74	0		
2.0	12.0	0/2	DEATH	74	0		
DIL.			H2O QS C H2O				

LD50 100.0 -79.0-120.0-
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 56.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE				
DOSE	DILUT	REACT.	REACTION SIGN		MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
100.0	10.0	1/2	DEATH	74	0		
100.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G 300
100.0	10.0	1/2	DEC SENSITIVITY TO PAIN	229	8		120
100.0	10.0	1/2	DEC SENSITIVITY TO SOUND	230	8	*	180
100.0	10.0	1/2	DEC SENSITIVITY TO TOUCH	231	8	***	180
100.0	10.0	1/2	DEC REARING FREQUENCY	632	0		G 300
100.0	10.0	1/2	LIMP TAIL	333	0		120
100.0	10.0	1/2	DEC MUSCLE TONE-TRUNK	237	8		120
100.0	10.0	1/2	DEC MUSCLE TONE-LIMBS	437	8		120
100.0	10.0	1/2	DEC PREENING	240	0		G 300
100.0	10.0	1/2	EXTENSION OF LIMBS	341	0		60
100.0	10.0	1/2	PLACING REFLEX ABS	442	0		60
100.0	10.0	1/2	GRASPING REFLEX ABS	642	8		60
100.0	10.0	1/2	LABYRINTHINE REFLEX ABS	042	0		60
100.0	10.0	1/2	PROSTRATION	43	0		60
100.0	10.0	1/2	EXOPHTHALMOS	46	0		30
100.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	8	***	G 300
100.0	10.0	1/2	INC RESPIRATORY DEPTH	161	0		8
100.0	10.0	1/2	DEC RESPIRATORY DEPTH	261	8		240
100.0	10.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	***	240
100.0	10.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	***	300

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
100.0	10.0	1/2	MOT DEF VERTICAL SCREEN	271	0	***	300
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	***	G 300
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	0	***	300
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	0	***	300
100.0	10.0	1/2	MOT DEF INCLINED STRIP	671	0	***	G 300
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G 300
32.0	3.2	2/2	DEC REARING FREQUENCY	632	60		G 300
32.0	3.2	2/2	DEC PREENING	240	60		G 300
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***	G 300
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	120
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	60	*	180
10.0	10.0	2/2	INC PREENING	140	60		120
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	60	*	120
3.2	3.2	1/2	INC PREENING	140	60		120
1.0	10.0	2/2	NO EFFECT	73			
120.0	12.0	2/2	DEATH	74	0		
79.0	7.9	0/2	DEATH	74	0		
63.0	6.3	0/2	DEATH	74	0		
DIL.			100% STEROL DIL. SUSP QS C H2O				

LD50 45.0 -36.0-56.0-
 MED50 5.6 -1.8-18.0-
 RATIO LD50/MED50 8.0

ATE SOLID

OSE G/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DÉG- REE	MIN. TO RECOVER
0.0	10.0	2/2	DEATH	74	0	
2.0	3.2	1/2	DEATH	74	180	
2.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
2.0	3.2	1/2	DEC SENSITIVITY TO TOUCH	231	15	*** G 300
2.0	3.2	1/2	DEC REARING FREQUENCY	632	0	G 300
2.0	3.2	1/2	PUPILLARY LIGHT REFLEX DEPR	252	0	240
2.0	3.2	1/2	MYDRIASIS	154	0	* 240
2.0	3.2	1/2	INC RESPIRATORY DEPTH	161	0	G 300
2.0	3.2	1/2	DEC RESPIRATORY RATE	262	0	* G 300
2.0	3.2	1/2	IRREGULAR RESPIRATORY RATE	362	0	* G 300
0.0	10.0	2/2	PUPILLARY LIGHT REFLEX DEPR	252	0	180
0.0	10.0	2/2	MYDRIASIS	154	0	** 180
3.2	3.2	2/2	NO EFFECT	73		
3.0	6.3	2/2	DEATH	74	30	
10.0	5.0	2/2	DEATH	74	30	

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
40.0	4.0	0/2	DEATH	74	0	

DIL. 100% STEROL DIL. SUSP QS C H2O

LD50 100.0 -79.0-120.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 180.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
100.0	10.0	1/2	DEATH	74	0		
100.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	***	120
100.0	10.0	1/2	DEC SENSITIVITY TO SOUND	230	0		60
100.0	10.0	1/2	DEC SENSITIVITY TO TOUCH	231	0		60
100.0	10.0	1/2	SOCIAL INTERACTION ALTERED	132	0		120
100.0	10.0	1/2	DEC REARING FREQUENCY	632	0		120
100.0	10.0	1/2	DEC PREENING	240	0		60
100.0	10.0	1/2	LOW POSTURE	241	8		60
100.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	8	***	180
100.0	10.0	1/2	INC RESPIRATORY DEPTH	161	0		60
100.0	10.0	1/2	DEC RESPIRATORY RATE	262	0	*	60
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	***	60
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	0	***	30
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	0	*	30
100.0	10.0	1/2	MOT DEF INCLINED STRIP	671	0	***	60
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	30
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		60
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0		60
32.0	3.2	2/2	DEC PREENING	240	0		60
32.0	3.2	2/2	LOW POSTURE	241	8		30

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	*	180
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0		60
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	0	*	60
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP	471	0	***	60
32.0	3.2	1/2	MOT DEF VERTICAL ROD	371	0	*	30
32.0	3.2	1/2	MOT DEF ROTA-ROD	771	0	*	30
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	***	60
10.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	8	***	30
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		30
10.0	10.0	1/2	DEC REARING FREQUENCY	632	0		120
10.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	15	*	180
10.0	10.0	1/2	INC RESPIRATORY DEPTH	161	0		30
10.0	10.0	1/2	DEC RESPIRATORY RATE	262	0	*	30
3.2	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	180
1.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*	60
0.32	3.2	2/2	NO EFFECT	73			
120.0	12.0	2/2	DEATH	74	0		
79.0	7.9	0/2	DEATH	74	0		
63.0	6.3	0/2	DEATH	74	0		
DIL.			3% ASCORBIC ACID QS C H2O				

LD50 63.0 -50.0-79.0-
 MED50 0.18 -0.056-0.56-
 RATIO LD50/MED50 350.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 180
32.0	3.2	2/2	DEC SENSITIVITY TO SOUND	230	0	* 180
32.0	3.2	2/2	DEC SENSITIVITY TO TOUCH	231	0	* 180
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	240
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0	180
32.0	3.2	2/2	DEC MUSCLE TONE-TRUNK	237	0	180
32.0	3.2	2/2	DEC MUSCLE TONE-LIMBS	437	0	180
32.0	3.2	2/2	DEC PREENING	240	0	180
32.0	3.2	2/2	RIGHTING REFLEX ABS	842	0	60
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	*** 180
32.0	3.2	2/2	MIOSIS	254	8	* 120
32.0	3.2	2/2	MYDRIASIS	154	120	* 180
32.0	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	60
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	60
32.0	3.2	2/2	DYSPNEA	60	0	*** 15
32.0	3.2	2/2	MOT DEF HORIZONTAL WIRE	171	0	*** 60
32.0	3.2	2/2	MOT DEF VERTICAL SCREEN	271	0	*** 60
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	0	*** 130
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	0	*** 180

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
32.0	3.2	2/2	MOT DEF ROTA-ROD	771	0	***	120
32.0	3.2	2/2	MOT DEF INCLINED STRIP	671	0	***	180
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	60	*	180
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		180
10.0	10.0	2/2	ATAXIA	35	0	***	8
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		15
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		15
10.0	10.0	2/2	RESTLESSNESS	79	60		180
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	60	*	120
3.2	3.2	1/2	INC PREENING	140	60		120
3.2	3.2	2/2	RESTLESSNESS	79	60		120
1.0	10.0	2/2	INC PREENING	140	8		60
0.32	3.2	2/2	INC PREENING	140	8		60
0.10	10.0	2/2	NO EFFECT	73			
79.0	7.9	2/2	DEATH	74	0		
63.0	6.3	1/2	DEATH	74	0		
50.0	5.0	0/2	DEATH	74	0		
DIL.			100% STEROL DIL. SUSP QS C H2O				

	LD50	200.0	-160.0-250.0-
	MED50	18.0	-5.6-56.0-
RATIO	LD50/MED50	11.0	

LD50 25.0 -20.0-32.0-
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 14.0

STATE SEMISOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	2.0	2/2	DEATH	74	0	
32.0	0.64	2/2	DEATH	74	0	
10.0	1.0	1/2	INC SENSITIVITY TO TOUCH	131	1440	*
10.0	1.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	15
10.0	1.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	15
3.2	1.6	2/2	INC SENSITIVITY TO TOUCH	131	8	*
1.0	0.50	2/2	NO EFFECT	73		
25.0	2.5	1/2	DEATH	74	0	
20.0	2.0	0/2	DEATH	74	0	
16.0	1.6	0/2	DEATH	74	0	
DIL.			100% PEG 300 QS C 100% PEG 300			

LD50 25.0 -11.0-56.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 45.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE					
DOSE	DILUT	REACT.	REACTION SIGN		MIN.	DEG-	MIN.	
MG/KG	ML/KG	FRACT.			APPR	REE	TO	
							RECOVER	
100.0	10.0	2/2	DEATH	74	0			
32.0	3.2	1/2	DEATH	74	0			
32.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	30	***	G	300
32.0	3.2	1/2	DEC SENSITIVITY TO PAIN	229	30			60
32.0	3.2	1/2	INC SENSITIVITY TO TOUCH	131	0	*		30
32.0	3.2	1/2	INC REARING FREQUENCY	432	0			8
32.0	3.2	1/2	DEC REARING FREQUENCY	632	30	*	G	300
32.0	3.2	1/2	STRAUB TAIL	233	0			30
32.0	3.2	1/2	MIXED CONVULSIONS	336	0			8
32.0	3.2	1/2	ABNORMAL VIBRISSAE	172	8			60
32.0	3.2	1/2	OPISTHOTONOS	38	0			8
32.0	3.2	1/2	RUBBING NOSE	340	0			60
32.0	3.2	1/2	LOW POSTURE	241	15			30
32.0	3.2	1/2	EXTENSION OF LIMBS	341	30			60
32.0	3.2	1/2	TREMORS-REST AND MOVEMENT	144	0	*		60
32.0	3.2	1/2	EXOPHTHALMOS	46	0			15
32.0	3.2	1/2	PUPILLARY LIGHT REFLEX ABS	152	0			60
32.0	3.2	1/2	MYDRIASIS	154	0	***		60
32.0	3.2	1/2	SALIVATION	57	8	***		30
32.0	3.2	1/2	INC URINATION	158	0			60
32.0	3.2	1/2	DYSPNEA	60	0	*		8

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER
32.0	3.2	1/2	INC RESPIRATORY DEPTH	161	0		30
32.0	3.2	1/2	DEC RESPIRATORY DEPTH	261	30		120
32.0	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	0		120
32.0	3.2	1/2	INC RESPIRATORY RATE	162	0	*	30
32.0	3.2	1/2	DEC RESPIRATORY RATE	262	30	*	120
32.0	3.2	1/2	IRREGULAR RESPIRATORY RATE	362	0	*	120
32.0	3.2	1/2	MOT DEF HORIZONTAL WIRE	171	0	***	8
32.0	3.2	1/2	MOT DEF VERTICAL SCREEN	271	0	***	8
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP	471	0	***	30
32.0	3.2	1/2	MOT DEF VERTICAL ROD	371	0	***	30
32.0	3.2	1/2	MOT DEF ROTA-ROD	771	0	***	8
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	***	30
32.0	3.2	1/2	LABYRINTHINE REFLEX DEPR	942	0		60
10.0	10.0	1/2	JUMPING	324	15	*	30
10.0	10.0	1/2	ABNORMAL REACTION TO PAIN	429	15		30
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	0	*	60
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		60
10.0	10.0	2/2	RUBBING NOSE	340	8		30
10.0	10.0	2/2	LABYRINTHINE REFLEX DEPR	942	0		60
10.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	0		60
10.0	10.0	2/2	MYDRIASIS	154	0	**	60
10.0	10.0	2/2	SALIVATION	57	15	***	30
10.0	10.0	2/2	INC URINATION	158	8		60
10.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	*	30
10.0	10.0	2/2	ABNORMAL VIBRISSAE	172	15		60
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	15	***	G 300
3.2	3.2	2/2	INC PREENING	140	60		180
3.2	3.2	1/2	RUBBING NOSE	340	8		30
3.2	3.2	2/2	INC URINATION	158	15		60
1.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		30
1.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	30
0.32	3.2	2/2	NO EFFECT	73			
40.0	4.0	2/2	DEATH	74	0		
25.0	2.5	1/2	DEATH	74	120		
20.0	2.0	1/2	DEATH	74	120		
DIL.			H2O QS C H2O				

LD50 110.0 -89.0-140.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 200.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
20.0	2.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*	180
20.0	2.0	2/2	SOCIAL INTERACTION ALTERED	132	15		300
20.0	2.0	2/2	DEC REARING FREQUENCY	632	15		180
20.0	2.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	15	*	180
20.0	2.0	2/2	INC RESPIRATORY DEPTH	161	0		180
20.0	2.0	1/2	DEC RESPIRATORY RATE	262	60	*	120
20.0	2.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	180
10.0	1.0	1/2	INC LOCOMOTOR ACTIVITY	224	15	*	60
10.0	1.0	1/2	DEC LOCOMOTOR ACTIVITY	124	60	*	180
10.0	1.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	180
10.0	1.0	2/2	INC RESPIRATORY DEPTH	161	0		180
10.0	1.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	180
3.2	1.6	1/2	INC LOCOMOTOR ACTIVITY	224	0	*	30
3.2	1.6	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*	180
3.2	1.6	2/2	INC RESPIRATORY DEPTH	161	8		60
3.2	1.6	2/2	IRREGULAR RESPIRATORY RATE	362	15	*	60
1.0	0.50	2/2	INC LOCOMOTOR ACTIVITY	224	8	*	60
1.0	0.50	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*	120

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
1.0	0.50	1/2	IRREGULAR RESPIRATORY RATE		362	15	* 30
0.32	1.6	2/2	NO EFFECT		73		
160.0	2.6	2/2	DEATH		74	0	
120.0	2.1	2/2	DEATH		74	0	
100.0	1.7	0/2	DEATH		74	0	
79.0	1.3	0/2	DEATH		74	0	
DIL.			100% PEG 300 QS C 100% PEG 300				

LD50 120.0 -100.0-160.0-
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 69.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE				
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	2.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	G 300
100.0	2.0	2/2	DEC SENSITIVITY TO TOUCH	231	8	*	60
100.0	2.0	2/2	DEC PREENING	240	0		G 300
100.0	2.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	***	G 300
100.0	2.0	2/2	DYSPNEA	60	0	*	8
100.0	2.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0		15
100.0	2.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	*	15
100.0	2.0	2/2	MOT DEF VERTICAL SCREEN	271	0	*	15
100.0	2.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	30
100.0	2.0	1/2	MOT DEF VERTICAL ROD	371	0	*	15
100.0	2.0	2/2	MOT DEF ROTA-ROD	771	0	*	15
100.0	2.0	2/2	MOT DEF INCLINED STRIP	671	0	***	30
20.0	2.0	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*	240
20.0	2.0	1/2	NO EFFECT	73			
10.0	1.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*	300
3.2	1.6	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*	240
1.0	0.50	2/2	NO EFFECT	73			

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
160.0	3.2	2/2	DEATH	74	0	
20.0	2.5	1/2	DEATH	74	0	
79.0	1.6	0/2	DEATH	74	0	
DIL.			100% PEG 300 QS C 100% PEG 300			

LD50 36.0 -26.0-49.0-
 MED50 3.2-3-1.0-3-0.010-
 RATIO LD50/MED50 1.1+4

STATE SOLID

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	1/2	DEATH	74	0	
32.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	8	*** 120
32.0	3.2	1/2	INC LOCOMOTOR ACTIVITY	224	120	* G 300
32.0	3.2	1/2	CIRCLING MOVEMENTS	025	0	8
32.0	3.2	1/2	DEC REARING FREQUENCY	632	0	120
32.0	3.2	1/2	ATAXIA	35	0	* 8
32.0	3.2	1/2	DEC PREENING	240	0	30
32.0	3.2	1/2	INC PREENING	140	60	240
32.0	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	120
32.0	3.2	1/2	DEC REARING FREQUENCY	632	0	*** 120
32.0	3.2	1/2	MOT DEF HORIZONTAL WIRE	171	0	*** 15
32.0	3.2	1/2	MOT DEF VERTICAL SCREEN	271	0	*** 15
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP	471	0	*** 30
32.0	3.2	1/2	MOT DEF VERTICAL ROD	371	0	*** 15
32.0	3.2	1/2	MOT DEF ROTA-ROD	771	0	*** 30
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	*** 30
32.0	3.2	1/2	PILOERECTION	72	15	G 300
32.0	3.2	1/2	RESTLESSNESS	79	60	300

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	60	*	180
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	180	***	240
10.0	10.0	2/2	HEAD TWITCH	531	60	*	300
10.0	10.0	2/2	INC REARING FREQUENCY	432	15		60
10.0	10.0	2/2	INC PREENING	140	15		240
10.0	10.0	2/2	INC SCRATCHING	440	30		180
10.0	10.0	1/2	INC RESPIRATORY DEPTH	161	0		30
10.0	10.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0		15
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	***	30
10.0	10.0	2/2	PILOERECTION	72	120		240
10.0	10.0	2/2	RESTLESSNESS	79	60		300
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	30	*	180
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	180	***	240
3.2	3.2	1/2	HEAD TWITCH	531	60	*	300
3.2	3.2	1/2	INC REARING FREQUENCY	432	15		60
3.2	3.2	2/2	INC PREENING	140	15		240
3.2	3.2	1/2	INC SCRATCHING	440	30		120
3.2	3.2	1/2	INC RESPIRATORY DEPTH	161	0		15
3.2	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	15
3.2	3.2	2/2	PILOERECTION	72	120		300
3.2	3.2	2/2	RESTLESSNESS	79	60		240
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	60
1.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	60	***	240
1.0	10.0	2/2	HEAD TWITCH	531	120	*	300
1.0	10.0	1/2	INC REARING FREQUENCY	432	30		60
1.0	10.0	2/2	INC PREENING	140	30		240
1.0	10.0	2/2	INC SCRATCHING	440	30		240
1.0	10.0	2/2	INC RESPIRATORY DEPTH	161	30		240
1.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	30	*	240
1.0	10.0	1/2	PILOERECTION	72	120		240
1.0	10.0	2/2	RESTLESSNESS	79	30		240
1.0	10.0	2/2	SQUINTING	79	60	***	240
0.32	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	15	*	60
0.32	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	60	***	240
0.32	3.2	1/2	HEAD TWITCH	531	120	*	300
0.32	3.2	1/2	INC REARING FREQUENCY	432	30		60
0.32	3.2	2/2	INC PREENING	140	30		180
0.32	3.2	1/2	INC SCRATCHING	440	30		120
0.32	3.2	2/2	INC RESPIRATORY DEPTH	161	60		180
0.32	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	60	*	180
0.32	3.2	2/2	RESTLESSNESS	79	30		180

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
0.32	3.2	2/2	SQUINTING	79	60	***	180
0.10	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	30	*	120
0.10	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	120	***	180
0.10	10.0	1/2	PILOERECTION	72	120		240
0.10	10.0	2/2	SQUINTING	79	60	***	180
0.10	10.0	1/2	INC PREENING	140	30		120
0.10	10.0	1/2	INC SCRATCHING	440	30		60
0.032	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	60	*	120
0.032	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	120	***	180
0.032	3.2	1/2	INC PREENING	140	30		60
0.032	3.2	2/2	SQUINTING	79	120	***	180
0.010	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	60
0.010	10.0	2/2	INC PREENING	140	0		60
0.010	10.0	1/2	INC SCRATCHING	440	0		60
3.2-3	3.2	1/2	INC LOCOMOTOR ACTIVITY	224	0	*	60
3.2-3	3.2	1/2	INC SCRATCHING	440	0		60
3.2-3	3.2	1/2	NO EFFECT	73			
1.0-3	10.0	2/2	NO EFFECT	73			
50.0	5.0	2/2	DEATH	74	0		
40.0	4.0	1/2	DEATH	74	0		
25.0	2.5	0/2	DEATH	74	0		
DIL.			100% STEROL DIL. SUSP QS C H2O				

LD50 160.0 -120.0-200.0-
 MED50 0.18 -0.056-0.56-
 RATIO LD50/MED50 880.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE.				
DOSE	DILUT	REACT.	REACTION SIGN	MIN.	DEG-	MIN. TO	
MG/KG	ML/KG	FRACT.		APPR	REE	RECOVER	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300	
100.0	10.0	1/2	INC SENSITIVITY TO PAIN	129	30	120	
100.0	10.0	2/2	ABNORMAL REACTION TO PAIN	429	30	300	
100.0	10.0	2/2	DEC SENSITIVITY TO TOUCH	231	0	* 120	
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	180	
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	180	
100.0	10.0	2/2	ATAXIA	35	0	*** 60	
100.0	10.0	2/2	DEC PREENING	240	0	300	
100.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	0	60	
100.0	10.0	2/2	MYDRIASIS	154	0	** 60	
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	180	
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	15	* 180	
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	* 30	
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	* 60	
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	0	*** 60	
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	0	* 60	
100.0	10.0	1/2	MOT DEF INCLINED STRIP	671	0	* 60	
100.0	10.0	2/2	LOW CARRIAGE	175	0	60	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	15	* 120	
32.0	3.2	2/2	ABNORMAL REACTION TO PAIN	429	60	240	

INTRAVENOUS TOXICITY TO MICE								
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER	
32.0	3.2	2/2	INC SENSITIVITY TO TOUCH	131	60	***	G	300
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0			60
32.0	3.2	1/2	DEC REARING FREQUENCY	632	0			60
32.0	3.2	2/2	DEC PREENING	240	15			60
32.0	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	0			60
32.0	3.2	2/2	MYDRIASIS	154	0	*		60
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP	471	0	*		30
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	*		30
32.0	3.2	2/2	LOW CARRIAGE	175	15			60
10.0	10.0	2/2	ABNORMAL REACTION TO PAIN	429	60		G	300
10.0	10.0	1/2	INC SENSITIVITY TO TOUCH	131	60	*		240
10.0	10.0	1/2	PILOERECTION	72	120			300
3.2	3.2	1/2	INC SENSITIVITY TO PAIN	129	60			300
3.2	3.2	1/2	PUPILLARY LIGHT REFLEX ABS	152	0			60
3.2	3.2	1/2	MYDRIASIS	154	0	**		60
1.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*		240
1.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	120	*		180
0.32	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	60	*		120
0.32	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*		240
0.10	10.0	2/2	NO EFFECT	73				
200.0	20.0	2/2	DEATH	74	0			
160.0	16.0	1/2	DEATH	74	0			
120.0	12.0	0/2	DEATH	74	0			
DIL.			100% STEROL DIL. SUSP QS C H2O					

LD50 50.0 -40.0-63.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 89.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
00.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
32.0	3.2	2/2	INC PHONATION	128	30	120
32.0	3.2	2/2	INC SENSITIVITY TO PAIN	129	0	240
32.0	3.2	1/2	INC REACTIVITY TO SOUND	330	60	* G 300
32.0	3.2	1/2	INC SENSITIVITY TO TOUCH	131	30	* 120
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	G 300
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0	120
32.0	3.2	2/2	DEC REARING HEIGHT	732	0	120
32.0	3.2	2/2	EMPROSTHOTOS	138	0	60
32.0	3.2	2/2	MYDRIASIS	154	8	** 180
32.0	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	30
32.0	3.2	2/2	INC RESPIRATORY RATE	162	0	*** 120
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	*** 120
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 120
10.0	10.0	2/2	INC PHONATION	128	30	120
10.0	10.0	2/2	INC SENSITIVITY TO PAIN	129	15	G 300
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	* 120

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	120
3.2	3.2	2/2	INC SENSITIVITY TO PAIN	129	15		G 300
3.2	3.2	1/2	MYDRIASIS	154	15	*	240
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	30
0.32	3.2	2/2	NO EFFECT	73			
79.0	7.9	2/2	DEATH	74	0		
63.0	6.3	2/2	DEATH	74	0		
50.0	5.0	1/2	DEATH	74	60		
40.0	4.0	0/2	DEATH	74	0		
DIL.			100% STEROL DIL. SUSP QS C H2O				

LD50 320.0 GREAT
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 UNK

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO	
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				RECOVER	
320.0	32.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G	300
320.0	32.0	2/2	DEC SENSITIVITY TO PAIN	229	0		G	300
320.0	32.0	2/2	DEC SENSITIVITY TO SOUND	230	0	***		120
320.0	32.0	2/2	DEC SENSITIVITY TO TOUCH	231	0	***		180
320.0	32.0	2/2	PINNAL REFLEX ABS	431	0			120
320.0	32.0	2/2	SOCIAL INTERACTION ALTERED	132	0			180
320.0	32.0	2/2	DEC REARING FREQUENCY	632	0			180
320.0	32.0	2/2	DEC REARING HEIGHT	732	120		G	300
320.0	32.0	2/2	LIMP TAIL	333	0			120
320.0	32.0	1/2	INC AGGRESSIVENESS-PEOPLE	334	8		G	300
320.0	32.0	2/2	ATAXIA	35	8	***		120
320.0	32.0	1/2	INC MUSCLE TONE-LIMBS	337	0			8
320.0	32.0	1/2	DEC MUSCLE TONE-LIMBS	437	0			180
320.0	32.0	2/2	DEC PREENING	240	0		G	300
320.0	32.0	2/2	LOW POSTURE	241	0			120
320.0	32.0	2/2	EXTENSION OF LIMBS	341	60			120
320.0	32.0	2/2	PLACING REFLEX ABS	442	0			60
320.0	32.0	2/2	GRASPING REFLEX ABS	642	0			60
320.0	32.0	2/2	RIGHTING REFLEX ABS	842	0			60
320.0	32.0	1/2	LABYRINTHINE REFLEX ABS	042	0			60
320.0	32.0	1/2	LABYRINTHINE REFLEX DEPR	942	0			8

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
320.0	32.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	G 300
320.0	32.0	1/2	MIOSIS	254	0	*	30
320.0	32.0	2/2	DEC RESPIRATORY DEPTH	261	0		120
320.0	32.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		120
320.0	32.0	2/2	INC RESPIRATORY RATE	162	0	***	G 300
320.0	32.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	***	G 300
320.0	32.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	***	180
320.0	32.0	2/2	MOT DEF VERTICAL SCREEN	271	0	***	G 300
320.0	32.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	G 300
320.0	32.0	2/2	MOT DEF VERTICAL ROD	371	0	***	G 300
320.0	32.0	2/2	MOT DEF ROTA-ROD	771	0	***	180
320.0	32.0	2/2	MOT DEF INCLINED STRIP	671	0	***	G 300
100.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	15
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***	240
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		60
100.0	10.0	2/2	DEC REARING HEIGHT	732	0		120
100.0	10.0	2/2	DEC PREENING	240	0		30
100.0	10.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	0		180
100.0	10.0	1/2	MYDRIASIS	154	0	*	180
32.0	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	15
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***	240
32.0	3.2	2/2	SHOVELNOSE MOVEMENTS	925	15		30
32.0	3.2	2/2	INC SENSITIVITY TO TOUCH	131	60	***	240
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		30
32.0	3.2	2/2	DEC REARING HEIGHT	732	0		30
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	60
10.0	10.0	2/2	INC SENSITIVITY TO PAIN	129	60		240
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	*	180
10.0	10.0	2/2	INC SPEED OF REARING	532	0		30
10.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8		120
10.0	10.0	2/2	MYDRIASIS	154	8	**	120
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	60
1.0	10.0	2/2	NO EFFECT	73			

DIL.

100% STEROL DIL. SUSP QS C H2O

LD50 100.0 -79.0-130.0-
 MED50 0.018-5.6-3-0.056-
 RATIO LD50/MED50 5.6+3

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
00.0	2.0	1/2	DEATH	74	0	
00.0	2.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
00.0	2.0	1/2	DEC SENSITIVITY TO SOUND	230	8	* 60
00.0	2.0	1/2	DEC SENSITIVITY TO TOUCH	231	8	* 60
00.0	2.0	1/2	DEC REARING FREQUENCY	632	0	G 300
00.0	2.0	1/2	DEC PREENING	240	0	G 300
00.0	2.0	1/2	LOW POSTURE	241	15	60
00.0	2.0	1/2	EXTENSION OF LIMBS	341	0	15
00.0	2.0	1/2	PROSTRATION	43	0	15
00.0	2.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	8	*** G 300
00.0	2.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8	30
00.0	2.0	1/2	MYDRIASIS	154	8	** 30
00.0	2.0	1/2	INC RESPIRATORY DEPTH	161	0	60
00.0	2.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	15
00.0	2.0	1/2	DEC RESPIRATORY RATE	262	0	60
00.0	2.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	15
00.0	2.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	**** 15
00.0	2.0	1/2	MOT DEF VERTICAL SCREEN	271	0	*** 15
00.0	2.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	*** 30
00.0	2.0	1/2	MOT DEF VERTICAL ROD	371	0	*** 15
00.0	2.0	1/2	MOT DEF ROTA-ROD	771	0	*** 15

INTRAVENOUS TOXICITY TO MICE								
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER		
100.0	2.0	1/2	MOT DEF INCLINED STRIP	671	0	***		30
32.0	0.64	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*		120
32.0	0.64	1/2	INC SENSITIVITY TO SOUND	130	240	*	G	300
32.0	0.64	2/2	DEC REARING FREQUENCY	632	8			240
32.0	0.64	2/2	DEC PREENING	240	8			240
32.0	0.64	2/2	INC PREENING	140	240		G	300
32.0	0.64	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	***		240
32.0	0.64	2/2	INC RESPIRATORY DEPTH	161	0			30
32.0	0.64	2/2	DEC RESPIRATORY RATE	262	0			30
32.0	0.64	2/2	IRREGULAR RESPIRATORY RATE	362	0			15
32.0	0.64	1/2	PILOERECTION	72	240		G	300
32.0	0.64	1/2	RESTLESSNESS	79	240		G	300
32.0	0.64	1/2	SKIN FLICK	79	240		G	300
10.0	1.0	2/2	INC SENSITIVITY TO SOUND	130	240	*	G	300
10.0	1.0	1/2	HEAD TWITCH	531	240	*	G	300
10.0	1.0	1/2	INC PREENING	140	240		G	300
10.0	1.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	*		60
10.0	1.0	2/2	INC RESPIRATORY DEPTH	161	0			30
10.0	1.0	2/2	IRREGULAR RESPIRATORY RATE	362	0			30
10.0	1.0	1/2	PILOERECTION	72	240		G	300
10.0	1.0	1/2	RESTLESSNESS	79	240		G	300
10.0	1.0	1/2	SKIN FLICK	79	240		G	300
3.2	1.6	1/2	INC LOCOMOTOR ACTIVITY	224	240	*	G	300
3.2	1.6	1/2	INC SENSITIVITY TO SOUND	130	240	*	G	300
3.2	1.6	1/2	HEAD TWITCH	531	240	*	G	300
3.2	1.6	2/2	INC PREENING	140	240		G	300
3.2	1.6	2/2	INC SCRATCHING	440	240		G	300
3.2	1.6	1/2	INC RESPIRATORY DEPTH	161	0			15
3.2	1.6	1/2	IRREGULAR RESPIRATORY RATE	362	0			15
3.2	1.6	1/2	PILOERECTION	72	240		G	300
3.2	1.6	1/2	RESTLESSNESS	79	240		G	300
3.2	1.6	1/2	SKIN FLICK	79	240		G	300
1.0	0.50	2/2	INC LOCOMOTOR ACTIVITY	224	180	*	G	300
1.0	0.50	2/2	INC PREENING	140	180		G	300
1.0	0.50	1/2	INC SCRATCHING	440	180		G	300
1.0	0.50	1/2	PILOERECTION	72	180		G	300
0.32	1.6	2/2	INC LOCOMOTOR ACTIVITY	224	240	*	G	300
0.32	1.6	1/2	HEAD TWITCH	531	240	*	G	300
0.32	1.6	1/2	INC PREENING	140	240		G	300

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
0.32	1.6	1/2	INC SCRATCHING	440	240	G	300
0.10	0.50	2/2	INC LOCOMOTOR ACTIVITY	224	180	G	300
0.032	1.6	1/2	INC LOCOMOTOR ACTIVITY	224	180	*	300
0.032	1.6	1/2	INC REARING FREQUENCY	432	180		240
0.032	1.6	1/2	NO EFFECT	73			
0.010	0.50	1/2	INC LOCOMOTOR ACTIVITY	224	60	*	240
0.010	0.50	1/2	NO EFFECT	73			
3.2-3	1.6	2/2	NO EFFECT	73			
120.0	1.2	2/2	DEATH	74	0		
79.0	1.6	0/2	DEATH	74	0		
63.0	1.2	0/2	DEATH	74	0		
DIL.			100% PEG 300 QS C 100% PEG 300				

LD50 56.0 -45.0-71.0-
 MED50 0.18 -0.056-0.56-
 RATIO LD50/MED50 310.0

TATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
00.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*** 180
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	30
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0	180
32.0	3.2	2/2	DEC PREENING	240	0	180
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	*** 180
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	15	180
32.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	60
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	15	* 180
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	* 60
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*** 180
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	8	30
10.0	10.0	2/2	DEC REARING FREQUENCY	632	8	120
10.0	10.0	2/2	DEC PREENING	240	8	180
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*** 180
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*** 180
3.2	3.2	2/2	SOCIAL INTERACTION ALTERED	132	8	30
3.2	3.2	2/2	DEC REARING FREQUENCY	632	30	180

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
3.2	3.2	2/2	DEC PREENING	240	8		180
3.2	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***	180
1.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*	180
1.0	10.0	2/2	DEC PREENING	240	60		180
1.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***	180
1.0	10.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0		8
1.0	10.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	*	8
0.32	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*	120
0.32	3.2	2/2	DEC PREENING	240	60		120
0.32	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***	120
0.10	10.0	2/2	NO EFFECT	73			
79.0	7.9	2/2	DEATH	74	0		
63.0	6.3	2/2	DEATH	74	0		
50.0	5.0	0/2	DEATH	74	0		
40.0	4.0	0/2	DEATH	74	0		

DIL.

H2O QS C H2O

LD50 20.0 -16.0-25.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 36.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE				
DOSE	DILUT	REACT.	REACTION SIGN		MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
20.0	2.0	1/2	DEATH	74	0		
20.0	2.0	1/2	DEC LOCOMOTOR ACTIVITY	124	8	***	240
20.0	2.0	1/2	DEC REARING FREQUENCY	632	0		240
20.0	2.0	1/2	MIXED CONVULSIONS	336	0		8
20.0	2.0	1/2	DEC PREENING	240	0		G 300
20.0	2.0	1/2	TREMORS-REST AND MOVEMENT	144	8		15
20.0	2.0	1/2	EXOPHTHALMOS	46	0		15
20.0	2.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	300
20.0	2.0	1/2	DYSPNEA	60	0	***	G 300
20.0	2.0	1/2	INC RESPIRATORY DEPTH	161	0		G 300
20.0	2.0	1/2	DEC RESPIRATORY RATE	262	0		G 300
20.0	2.0	1/2	IRREGULAR RESPIRATORY RATE	362	0		G 300
20.0	2.0	1/2	MOT DEF HORIZONTAL STRIP	471	8	*	G 300
20.0	2.0	1/2	MOT DEF VERTICAL ROD	371	8	*	G 300
10.0	1.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	240
10.0	1.0	2/2	DEC REARING FREQUENCY	632	8		240
10.0	1.0	2/2	DEC PREENING	240	8		240
10.0	1.0	2/2	EXTENSION OF LIMBS	341	0		8
10.0	1.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*	8
10.0	1.0	2/2	EXOPHTHALMOS	46	0		8

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
10.0	1.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	300
10.0	1.0	1/2	MYDRIASIS	154	0	*	30
10.0	1.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		30
10.0	1.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	*	30
10.0	1.0	2/2	RESTLESSNESS	79	15		300
3.2	1.6	2/2	DEC LOCOMOTOR ACTIVITY	124	60	***	240
3.2	1.6	2/2	DEC REARING FREQUENCY	632	30		240
3.2	1.6	2/2	DEC PREENING	240	15		240
3.2	1.6	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	240
3.2	1.6	2/2	RESTLESSNESS	79	60		240
1.0	0.50	2/2	DEC LOCOMOTOR ACTIVITY	124	60	***	180
1.0	0.50	2/2	DEC REARING FREQUENCY	632	60		180
1.0	0.50	2/2	DEC PREENING	240	15		180
1.0	0.50	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	180
1.0	0.50	2/2	RESTLESSNESS	79	60		180
0.32	1.6	2/2	NO EFFECT	73			
25.0	2.5	2/2	DEATH	74	0		
16.0	1.6	0/2	DEATH	74	0		
12.0	1.2	0/2	DEATH	74	0		
DIL.			100% PEG 300 QS C 100% PEG 300				

LD50 320.0 GREAT
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 UNK

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE				
DOSE	DILUT	REACT.	REACTION	SIGN	MIN.	DEG-	MIN. TC
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
320.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	240
320.0	3.2	1/2	DEC SENSITIVITY TO SOUND	230	8	*	60
320.0	3.2	1/2	DEC SENSITIVITY TO TOUCH	231	8	*	60
320.0	3.2	1/2	HEAD TWITCH	531	15	*	180
320.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		300
320.0	3.2	2/2	DEC REARING FREQUENCY	632	0		300
320.0	3.2	2/2	DEC PREENING	240	0		240
320.0	3.2	2/2	LOW POSTURE	241	0		60
320.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	***	240
320.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0		240
320.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		15
320.0	3.2	2/2	DEC RESPIRATORY RATE	262	8		240
320.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0		15
100.0	2.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	120
100.0	2.0	2/2	SOCIAL INTERACTION ALTERED	132	0		120
100.0	2.0	2/2	DEC REARING FREQUENCY	632	0		120
100.0	2.0	2/2	DEC PREENING	240	0		120
100.0	2.0	2/2	INC RESPIRATORY DEPTH	161	0		60
100.0	2.0	2/2	DEC RESPIRATORY RATE	262	0		60
100.0	2.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		30

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. RECC
			REACTION SIGN				
100.0	2.0	1/2	PILOERECTION		72	120	
32.0	0.64	2/2	DEC LOCOMOTOR ACTIVITY		124	30	*
32.0	0.64	1/2	INC RESPIRATORY DEPTH		161	8	
32.0	0.64	2/2	IRREGULAR RESPIRATORY DEPTH		361	0	
32.0	0.64	1/2	DEC RESPIRATORY RATE		262	8	
32.0	0.64	2/2	IRREGULAR RESPIRATORY RATE		362	0	
10.0	1.0	1/2	DEC LOCOMOTOR ACTIVITY		124	30	*
10.0	1.0	2/2	IRREGULAR RESPIRATORY DEPTH		361	0	
10.0	1.0	2/2	IRREGULAR RESPIRATORY RATE		362	0	
3.2	1.6	2/2	IRREGULAR RESPIRATORY RATE		362	0	
1.0	0.50	2/2	NO EFFECT		73		
DIL.			100% PEG 300 QS C 100% PEG 300				

LD50 250.0 - UNKNOWN
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 450.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	1.6	1/2	DEC LOCOMOTOR ACTIVITY	124	0	
100.0	1.6	1/2	DEC REARING FREQUENCY	632	0	***
100.0	1.6	2/2	RUBBING NOSE	340	0	15
100.0	1.6	2/2	EYELID PTOSIS-NONPARALYTIC	149	0	30
100.0	1.6	1/2	INC RESPIRATORY DEPTH	161	0	15
100.0	1.6	1/2	DEC RESPIRATORY RATE	262	0	30
100.0	1.6	1/2	INC RESPIRATORY RATE	162	0	15
32.0	1.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	15
32.0	1.0	2/2	INC PREENING	140	120	*
10.0	0.62	1/2	DEC LOCOMOTOR ACTIVITY	124	0	15
10.0	0.62	1/2	PILOERECTION	72	120	240
3.2	1.0	1/2	INC LOCOMOTOR ACTIVITY	224	120	*
3.2	1.0	2/2	INC PREENING	140	60	180
3.2	1.0	2/2	PILOERECTION	72	60	240
1.0	0.63	2/2	INC LOCOMOTOR ACTIVITY	224	120	240
1.0	0.63	2/2	INC PREENING	140	120	*
1.0	0.63	1/2	INC SCRATCHING	440	120	240
						240

INTRAVENOUS TOXICITY TO MICE							
DOSE	DILUT	REACT.	REACTION	SIGN	MIN.	DEG-	MIN.
MG/KG	ML/KG	FRACT.			APPR	REE	RECOV
1.0	0.63	2/2	PILOERECTION		72	120	2
0.32	1.0	2/2	NO EFFECT		73		
250.0	3.9	1/2	DEATH		74	0	
200.0	3.1	0/2	DEATH		74	0	
DIL.			100% PEG 300 QS C 100% PEG 300				

LD50 32.0 -25.0-40.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 56.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	1/2	DEATH	74	300	
32.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
32.0	3.2	1/2	DEC REARING FREQUENCY	632	0	G 300
32.0	3.2	1/2	DEC PREENING	240	0	G 300
32.0	3.2	1/2	LOW POSTURE	241	0	60
32.0	3.2	1/2	EXOPHTHALMOS	46	0	8
32.0	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	*** G 300
32.0	3.2	1/2	PUPILLARY LIGHT REFLEX ABS	152	0	120
32.0	3.2	1/2	MYDRIASIS	154	0	* 120
32.0	3.2	1/2	INC RESPIRATORY DEPTH	161	0	G 300
32.0	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	G 300
32.0	3.2	1/2	DEC RESPIRATORY RATE	262	0	30
32.0	3.2	1/2	INC RESPIRATORY RATE	162	30	* G 300
32.0	3.2	1/2	IRREGULAR RESPIRATORY RATE	362	0	120
32.0	3.2	1/2	MOT DEF HORIZONTAL WIRE	171	0	* 60
32.0	3.2	1/2	MOT DEF VERTICAL SCREEN	271	0	* 60
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP	471	0	* 120
32.0	3.2	1/2	MOT DEF VERTICAL ROD	371	0	* 60
32.0	3.2	1/2	MOT DEF ROTA-ROD	771	0	* 60

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	*
32.0	3.2	1/2	PILOERECTION	72	30	G 300
10.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*
10.0	10.0	2/2	EXOPHTHALMOS	46	0	15
10.0	10.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	0	60
10.0	10.0	1/2	MYDRIASIS	154	0	*
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	8	*
3.2	3.2	1/2	HEAD TWITCH	531	15	*
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	15	*
0.32	3.2	2/2	NO EFFECT	73		
50.0	5.0	2/2	DEATH	74	0	
40.0	4.0	2/2	DEATH	74	0	
25.0	2.5	0/2	DEATH	74	0	

DIL.

100% STEROL DIL. SUSP QS C H2O

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
1356	0.000	543.	347.	365.	167.	261.	137.	145.	203.	150.	101.	2.	0.
MEAN		252.	371.	315.	243.	213.	230.	184.	195.	144.	78.	44.	16.
		398.	359.	340.	205.	237.	184.	165.	199.	147.	90.	23.	8.
1356	18.000	246.	241.	364.	291.	240.	279.	331.	326.	75.	22.	85.	49.
MEAN		51.	67.	114.	140.	240.	219.	106.	45.	95.	78.	110.	46.
		149.	154.	239.	216.	240.	249.	219.	186.	85.	50.	98.	48.
1356	10.000	537.	525.	305.	174.	197.	262.	291.	456.	338.	245.	183.	220.
MEAN		467.	425.	347.	323.	328.	234.	353.	361.	262.	173.	249.	220.
		502.	475.	326.	249.	263.	248.	322.	409.	300.	209.	216.	220.
1356	1.000	519.	419.	388.	446.	359.	271.	242.	177.	109.	160.	132.	113.
MEAN		364.	317.	369.	312.	312.	216.	197.	176.	126.	139.	99.	35.
		442.	368.	379.	379.	336.	244.	220.	177.	118.	150.	116.	74.
2367	0.000	647.	549.	377.	539.	450.	418.	378.	359.	336.	317.	364.	393.
MEAN		610.	308.	252.	359.	389.	363.	261.	206.	353.	258.	203.	230.
		629.	429.	315.	449.	420.	391.	320.	283.	345.	288.	284.	312.
2367	10.000	154.	68.	35.	14.	24.	7.	10.	3.	3.	50.	50.	74.
MEAN		362.	114.	25.	52.	94.	55.	28.	21.	23.	15.	52.	42.
		258.	91.	30.	33.	59.	31.	19.	12.	13.	33.	51.	58.
2367	.100	615.	356.	241.	229.	230.	222.	155.	92.	116.	8.	0.	0.
MEAN		627.	329.	266.	265.	397.	352.	252.	392.	324.	311.	194.	99.
		621.	343.	254.	247.	314.	287.	204.	242.	220.	160.	97.	50.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2516	0.000	279.	363.	288.	338.	255.	199.	290.	216.	244.	350.	283.	166.
		326.	292.	257.	290.	278.	236.	187.	308.	289.	253.	183.	114.
MEAN		303.	328.	273.	314.	267.	218.	239.	262.	267.	302.	233.	140.
2516	56.000	29.	50.	144.	28.	43.	13.	72.	103.	14.	49.	14.	29.
		108.	30.	35.	59.	16.	0.	19.	176.	88.	152.	204.	256.
MEAN		69.	40.	90.	44.	30.	7.	46.	140.	51.	101.	109.	143.
2516	10.000	299.	143.	122.	191.	159.	75.	112.	31.	13.	13.	3.	25.
		852.	541.	339.	327.	381.	509.	415.	459.	348.	234.	195.	177.
MEAN		576.	342.	231.	259.	270.	292.	264.	245.	181.	124.	99.	101.
2516	1.000	405.	369.	302.	304.	333.	312.	251.	317.	267.	305.	164.	51.
		751.	485.	369.	321.	225.	369.	288.	161.	218.	169.	179.	143.
MEAN		578.	427.	336.	313.	279.	341.	270.	239.	243.	237.	172.	97.
2531	0.000	705.	566.	446.	472.	465.	242.	245.	313.	234.	261.	178.	171.
		348.	260.	267.	254.	168.	169.	152.	219.	164.	36.	102.	0.
MEAN		527.	413.	357.	363.	317.	206.	199.	266.	199.	149.	140.	86.
2531	100.000	90.	36.	33.	19.	26.	15.	9.	34.	40.	28.	24.	19.
		13.	109.	51.	33.	40.	40.	34.	22.	7.	14.	8.	0.
MEAN		52.	73.	42.	26.	33.	28.	22.	28.	24.	21.	16.	10.
2531	10.000	644.	426.	299.	199.	296.	238.	147.	223.	223.	137.	25.	76.
		632.	319.	254.	177.	161.	205.	156.	211.	234.	222.	225.	192.
MEAN		638.	373.	277.	188.	229.	222.	152.	217.	229.	180.	125.	134.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2531	1.000	609.	356.	312.	249.	286.	176.	232.	329.	347.	240.	253.	262.
MEAN		595.	414.	336.	199.	338.	299.	282.	237.	264.	240.	174.	123.
		602.	385.	324.	224.	312.	238.	257.	283.	306.	240.	214.	193.
2598	0.000	239.	319.	251.	183.	273.	227.	270.	202.	134.	115.	43.	31.
MEAN		239.	319.	251.	183.	273.	227.	270.	202.	134.	115.	43.	31.
		239.	319.	251.	183.	273.	227.	270.	202.	134.	115.	43.	31.
2598	10.000	363.	164.	86.	82.	106.	96.	82.	132.	148.	173.	103.	34.
MEAN		590.	275.	244.	234.	265.	234.	183.	228.	81.	64.	21.	74.
		477.	220.	165.	158.	186.	165.	133.	180.	115.	119.	62.	54.
2598	.100	446.	312.	200.	196.	158.	161.	139.	124.	145.	149.	170.	113.
MEAN		440.	197.	222.	175.	187.	187.	185.	219.	99.	107.	29.	43.
		443.	255.	211.	186.	173.	174.	162.	172.	122.	128.	100.	78.
2717	0.000	741.	575.	436.	314.	386.	357.	334.	327.	502.	426.	362.	269.
MEAN		825.	565.	401.	495.	309.	469.	477.	531.	426.	392.	325.	320.
		783.	570.	419.	405.	348.	413.	406.	429.	464.	409.	344.	295.
2717	20.100	249.	56.	167.	88.	126.	127.	24.	26.	182.	177.	155.	263.
MEAN		194.	58.	129.	97.	91.	107.	140.	229.	212.	325.	211.	104.
		222.	57.	148.	93.	109.	117.	82.	128.	197.	251.	183.	184.
2717	1.000	589.	308.	370.	301.	303.	295.	268.	208.	276.	143.	95.	167.
MEAN		644.	347.	246.	209.	249.	241.	238.	217.	195.	96.	109.	99.
		617.	328.	308.	255.	276.	268.	253.	213.	236.	120.	102.	133.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2778	0.000	823.	415.	185.	345.	244.	217.	238.	252.	239.	229.	207.	179.
MEAN		613.	397.	304.	211.	272.	171.	191.	61.	55.	5.	5.	4.
		718.	406.	245.	278.	258.	194.	215.	157.	147.	117.	106.	92.
2778	32.000	207.	50.	48.	79.	19.	66.	19.	129.	88.	18.	12.	54.
MEAN		186.	68.	97.	71.	77.	95.	83.	63.	68.	143.	45.	18.
		197.	59.	73.	75.	48.	81.	51.	96.	78.	81.	29.	36.
2778	10.000	553.	373.	297.	266.	166.	273.	220.	206.	206.	145.	108.	48.
MEAN		602.	292.	194.	258.	216.	212.	158.	195.	120.	126.	30.	79.
		578.	333.	246.	262.	191.	243.	189.	201.	163.	136.	69.	64.
2778	1.000	656.	252.	254.	236.	150.	332.	274.	102.	142.	112.	52.	23.
MEAN		539.	383.	321.	376.	295.	238.	227.	224.	176.	147.	91.	205.
		598.	318.	288.	306.	223.	285.	251.	163.	159.	130.	72.	114.
2867	0.000	599.	363.	256.	249.	252.	197.	288.	359.	209.	249.	122.	205.
MEAN		618.	361.	410.	380.	257.	364.	336.	371.	342.	378.	349.	282.
		609.	362.	333.	315.	255.	281.	312.	365.	276.	314.	236.	244.
2867	10.000	14.	17.	60.	40.	23.	40.	14.	25.	22.	19.	57.	96.
MEAN		68.	48.	38.	104.	89.	24.	32.	95.	75.	342.	377.	364.
		41.	33.	49.	72.	56.	32.	23.	60.	49.	181.	217.	230.
2867	1.000	264.	204.	271.	239.	293.	413.	242.	429.	273.	232.	260.	135.
MEAN		356.	249.	327.	240.	318.	296.	184.	289.	307.	245.	257.	131.
		310.	227.	299.	240.	306.	355.	213.	359.	290.	239.	259.	133.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2867	.100	545.	387.	366.	412.	315.	171.	261.	152.	116.	105.	23.	12.
MEAN		359.	311.	248.	218.	313.	214.	129.	166.	213.	140.	17.	13.
		452.	349.	307.	315.	314.	193.	195.	159.	165.	123.	20.	13.
2897	0.000	244.	196.	246.	230.	163.	229.	63.	80.	68.	57.	0.	0.
MEAN		469.	420.	438.	221.	201.	261.	410.	343.	331.	294.	272.	316.
		357.	308.	342.	226.	182.	245.	237.	212.	200.	176.	136.	158.
2897	50.100	146.	267.	105.	105.	60.	10.	331.	216.	175.	207.	208.	150.
MEAN		138.	5.	11.	159.	177.	145.	17.	22.	0.	18.	0.	3.
		142.	136.	58.	132.	119.	78.	174.	119.	88.	113.	104.	77.
2897	1.000	505.	675.	532.	589.	359.	449.	404.	238.	274.	247.	131.	161.
MEAN		553.	553.	405.	447.	380.	225.	333.	290.	280.	329.	274.	209.
		529.	614.	469.	518.	370.	337.	369.	264.	277.	288.	203.	185.
2935	0.000	333.	288.	349.	228.	187.	277.	233.	212.	149.	199.	114.	158.
MEAN		434.	244.	293.	267.	217.	188.	256.	181.	209.	220.	122.	117.
		384.	266.	321.	248.	202.	233.	245.	197.	179.	210.	118.	138.
2935	32.000	85.	93.	122.	126.	123.	72.	76.	157.	141.	38.	174.	93.
MEAN		64.	48.	76.	38.	5.	16.	13.	13.	16.	33.	41.	34.
		75.	71.	99.	82.	64.	44.	45.	85.	79.	36.	108.	64.
2935	1.000	489.	430.	370.	299.	317.	204.	203.	194.	159.	92.	127.	90.
MEAN		614.	397.	432.	416.	474.	424.	312.	367.	363.	343.	420.	354.
		552.	414.	401.	358.	396.	314.	258.	281.	261.	218.	274.	222.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2963	0.000	592.	381.	277.	380.	410.	274.	296.	323.	282.	241.	295.	292.
		470.	353.	58.	124.	353.	218.	236.	175.	130.	15.	39.	71.
MEAN		531.	367.	168.	252.	382.	246.	266.	249.	206.	128.	167.	182.
2963	56.000	19.	26.	7.	58.	5.	25.	9.	44.	57.	3.	7.	8.
		41.	14.	40.	57.	18.	22.	22.	32.	19.	101.	75.	125.
MEAN		30.	20.	24.	58.	12.	24.	16.	38.	38.	52.	41.	67.
2963	32.000	34.	20.	44.	6.	12.	15.	6.	11.	28.	28.	124.	241.
		87.	43.	25.	19.	24.	2.	49.	4.	1.	8.	1.	36.
MEAN		61.	32.	35.	13.	18.	9.	28.	8.	15.	18.	63.	139.
2963	10.000	402.	212.	245.	246.	199.	385.	310.	238.	320.	214.	241.	235.
		82.	8.	38.	30.	0.	0.	1.	11.	139.	252.	240.	263.
MEAN		242.	110.	142.	138.	100.	193.	156.	125.	230.	233.	241.	249.
2963	1.000	440.	310.	249.	245.	226.	312.	200.	215.	174.	180.	68.	201.
		444.	355.	394.	558.	500.	545.	450.	470.	485.	477.	446.	495.
MEAN		442.	333.	322.	402.	363.	429.	325.	343.	330.	329.	257.	348.
2984	0.000	669.	587.	455.	435.	448.	383.	292.	266.	269.	177.	131.	25.
		444.	470.	338.	332.	349.	305.	224.	161.	240.	159.	176.	93.
MEAN		557.	529.	397.	384.	399.	344.	258.	214.	255.	168.	154.	59.
2984	10.000	583.	498.	368.	379.	252.	263.	369.	228.	315.	279.	243.	115.
		511.	448.	416.	294.	337.	382.	383.	193.	376.	204.	113.	59.
MEAN		547.	473.	392.	337.	295.	323.	376.	211.	346.	242.	178.	87.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2984	1.000	886.	642.	393.	382.	287.	340.	416.	432.	479.	340.	244.	267.
		543.	361.	284.	203.	297.	234.	189.	205.	228.	170.	215.	175.
MEAN		715.	502.	339.	293.	292.	287.	303.	319.	354.	255.	230.	221.
2994	0.000	724.	465.	486.	470.	413.	363.	362.	355.	317.	251.	256.	225.
		864.	536.	394.	314.	367.	332.	362.	313.	296.	226.	166.	125.
MEAN		794.	501.	440.	392.	390.	348.	362.	334.	307.	239.	211.	175.
2994	100.000	715.	505.	281.	368.	483.	303.	325.	100.	37.	29.	125.	30.
		544.	311.	157.	139.	96.	187.	135.	86.	8.	27.	8.	10.
MEAN		630.	408.	219.	254.	290.	245.	230.	93.	23.	28.	67.	20.
2994	1.000	741.	638.	384.	396.	506.	504.	386.	343.	449.	348.	199.	275.
		729.	453.	376.	266.	303.	280.	259.	323.	341.	246.	276.	191.
MEAN		735.	546.	380.	331.	405.	392.	323.	333.	395.	297.	238.	233.
2995	0.000	694.	489.	428.	363.	318.	292.	311.	238.	183.	128.	112.	75.
		768.	558.	382.	271.	229.	275.	316.	267.	163.	160.	98.	96.
MEAN		731.	524.	405.	317.	274.	284.	314.	253.	173.	144.	105.	86.
2995	20.000	71.	84.	82.	132.	187.	191.	102.	106.	108.	104.	67.	77.
		112.	178.	216.	189.	170.	76.	1.	0.	94.	107.	202.	173.
MEAN		92.	131.	149.	161.	179.	134.	52.	53.	101.	106.	135.	125.
2995	1.000	963.	632.	461.	316.	297.	353.	282.	327.	244.	104.	268.	377.
		653.	698.	339.	293.	413.	328.	297.	302.	309.	264.	232.	108.
MEAN		808.	665.	400.	305.	355.	341.	290.	315.	277.	184.	250.	243.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2999	0.000	237.	144.	34.	100.	73.	77.	78.	10.	8.	32.	71.	81.
		507.	312.	384.	358.	230.	200.	400.	238.	180.	255.	289.	243.
MEAN		372.	228.	209.	229.	152.	139.	239.	124.	94.	144.	180.	162.
2999	10.000	82.	125.	34.	43.	31.	0.	0.	6.	0.	16.	3.	0.
		371.	227.	271.	243.	258.	190.	193.	156.	111.	130.	152.	181.
MEAN		227.	176.	153.	143.	145.	95.	97.	81.	56.	73.	78.	91.
2999	1.000	438.	326.	284.	321.	271.	335.	266.	254.	212.	241.	147.	179.
		438.	316.	185.	259.	120.	224.	151.	159.	119.	198.	106.	44.
MEAN		438.	321.	235.	290.	196.	280.	209.	207.	166.	220.	127.	112.
5026	0.000	804.	575.	434.	574.	337.	455.	365.	299.	347.	223.	292.	307.
		583.	387.	420.	406.	318.	297.	211.	273.	346.	132.	228.	142.
MEAN		694.	481.	427.	490.	328.	376.	288.	286.	347.	178.	260.	225.
5026	20.000	681.	535.	266.	455.	368.	282.	242.	346.	217.	385.	166.	243.
		689.	469.	331.	203.	335.	227.	191.	115.	97.	117.	112.	285.
MEAN		685.	502.	299.	329.	352.	255.	217.	231.	157.	251.	139.	264.
5026	.320	437.	383.	191.	311.	252.	269.	242.	219.	180.	129.	87.	237.
		438.	379.	295.	244.	242.	229.	340.	244.	259.	204.	171.	137.
MEAN		438.	381.	243.	278.	247.	249.	291.	232.	220.	167.	129.	187.
5031	0.000	647.	509.	342.	363.	404.	411.	288.	280.	268.	400.	232.	179.
		562.	475.	402.	330.	312.	360.	351.	293.	249.	264.	238.	115.
MEAN		605.	492.	372.	347.	358.	386.	320.	287.	259.	332.	235.	147.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5031	100.000	90.	22.	20.	46.	9.	87.	18.	13.	25.	8.	29.	9.
		426.	367.	234.	90.	63.	46.	17.	20.	12.	37.	10.	8.
MEAN		258.	195.	127.	68.	36.	67.	18.	17.	19.	23.	20.	9.
5031	20.000	610.	218.	163.	184.	187.	97.	110.	99.	34.	22.	46.	6.
		440.	345.	190.	188.	175.	167.	122.	168.	284.	232.	179.	83.
MEAN		525.	282.	177.	186.	181.	132.	116.	134.	159.	127.	113.	45.
5031	1.000	588.	341.	364.	176.	200.	209.	214.	197.	100.	97.	154.	25.
		792.	353.	320.	284.	233.	243.	321.	292.	314.	148.	151.	67.
MEAN		690.	347.	342.	230.	217.	226.	268.	245.	207.	123.	153.	46.
5058	0.000	397.	320.	346.	464.	430.	423.	267.	250.	266.	127.	76.	188.
		380.	368.	346.	430.	395.	413.	364.	205.	168.	159.	180.	214.
MEAN		389.	344.	346.	447.	413.	418.	316.	228.	217.	143.	128.	201.
5058	25.100	10.	198.	144.	135.	87.	103.	125.	70.	118.	116.	186.	211.
		37.	73.	73.	50.	30.	47.	84.	144.	215.	206.	187.	177.
MEAN		24.	136.	109.	93.	59.	75.	105.	107.	167.	161.	187.	194.
5058	10.000	772.	674.	621.	604.	579.	473.	432.	301.	351.	428.	346.	472.
		359.	286.	225.	266.	216.	275.	275.	254.	313.	403.	385.	350.
MEAN		566.	480.	423.	435.	398.	374.	354.	278.	332.	416.	366.	411.
5058	1.000	355.	315.	331.	226.	233.	341.	102.	67.	11.	10.	12.	0.
		634.	448.	332.	187.	263.	248.	216.	200.	176.	17.	65.	60.
MEAN		495.	382.	332.	207.	248.	295.	159.	134.	94.	14.	39.	30.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5058	.010	576.	349.	260.	196.	216.	155.	297.	217.	273.	164.	102.	134.
		611.	309.	171.	227.	191.	115.	173.	141.	158.	159.	161.	186.
MEAN		594.	329.	216.	212.	204.	135.	235.	179.	216.	162.	132.	160.
5059	0.000	600.	335.	448.	372.	269.	297.	160.	390.	501.	515.	211.	345.
		752.	547.	478.	339.	536.	460.	475.	535.	338.	426.	469.	422.
MEAN		676.	441.	463.	356.	403.	379.	318.	463.	420.	471.	340.	384.
5059	100.000	8.	0.	0.	0.	0.	0.	0.	0.	0.	0.	241.	188.
		176.	72.	170.	39.	37.	24.	15.	100.	2.	0.	0.	111.
MEAN		92.	36.	85.	20.	19.	12.	8.	50.	1.	0.	121.	150.
5059	10.000	835.	532.	518.	530.	347.	402.	393.	398.	417.	225.	326.	304.
		859.	416.	205.	344.	281.	300.	258.	145.	158.	107.	149.	53.
MEAN		847.	474.	362.	437.	314.	351.	326.	272.	288.	166.	238.	179.
5059	1.000	404.	329.	340.	267.	265.	327.	246.	203.	166.	180.	218.	187.
		825.	443.	329.	227.	279.	226.	219.	246.	152.	257.	84.	105.
MEAN		615.	386.	335.	247.	272.	277.	233.	225.	159.	219.	151.	146.
5071	0.000	801.	630.	347.	376.	370.	340.	287.	299.	349.	251.	52.	121.
		757.	714.	262.	437.	372.	367.	377.	441.	342.	388.	227.	329.
MEAN		779.	672.	305.	407.	371.	354.	332.	370.	346.	320.	140.	225.
5071	32.000	172.	141.	147.	164.	201.	154.	86.	188.	156.	164.	326.	298.
		114.	85.	99.	145.	147.	168.	8.	69.	140.	89.	288.	215.
MEAN		143.	113.	123.	155.	174.	161.	47.	129.	148.	127.	307.	257.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5071	10.000	749.	441.	421.	437.	345.	298.	332.	349.	253.	242.	187.	234.
MEAN		715.	488.	307.	306.	285.	214.	226.	195.	270.	197.	43.	47.
		732.	465.	364.	372.	315.	256.	279.	272.	262.	220.	115.	141.
5071	1.000	745.	622.	477.	438.	327.	449.	138.	374.	241.	117.	138.	123.
MEAN		358.	233.	256.	287.	308.	196.	114.	69.	135.	52.	84.	77.
		552.	428.	367.	363.	318.	323.	126.	222.	188.	85.	111.	100.
5092	0.000	329.	344.	340.	235.	171.	134.	62.	12.	114.	11.	0.	1.
MEAN		735.	527.	356.	373.	304.	306.	351.	406.	368.	366.	353.	404.
		532.	436.	348.	304.	238.	220.	207.	209.	241.	189.	177.	203.
5092	250.000	88.	59.	34.	22.	27.	62.	41.	0.	0.	0.	0.	0.
MEAN		495.	207.	224.	94.	89.	163.	0.	80.	262.	18.	27.	0.
		292.	133.	129.	58.	58.	113.	21.	40.	131.	9.	14.	0.
5092	10.000	436.	225.	232.	200.	219.	170.	291.	253.	219.	204.	211.	197.
MEAN		779.	576.	436.	305.	235.	276.	345.	244.	216.	213.	198.	147.
		608.	401.	334.	253.	227.	223.	318.	249.	218.	209.	205.	172.
5104	0.000	766.	509.	451.	352.	332.	367.	284.	187.	318.	348.	275.	217.
MEAN		774.	580.	480.	435.	365.	528.	409.	335.	441.	235.	324.	425.
		770.	545.	466.	394.	349.	448.	347.	261.	380.	292.	300.	321.
5104	63.100	97.	44.	63.	41.	53.	59.	92.	137.	69.	122.	129.	109.
MEAN		139.	92.	79.	58.	44.	55.	26.	61.	99.	212.	108.	84.
		118.	68.	71.	50.	49.	57.	59.	99.	84.	167.	119.	97.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5104	10.000	712.	580.	303.	527.	290.	235.	298.	390.	362.	363.	318.	379.
MEAN		776.	364.	191.	168.	205.	184.	160.	129.	120.	177.	48.	51.
		744.	472.	247.	348.	248.	210.	229.	260.	241.	270.	183.	215.
5104	1.000	697.	484.	425.	320.	378.	380.	475.	245.	386.	320.	371.	280.
MEAN		928.	637.	533.	452.	448.	367.	421.	261.	322.	236.	231.	238.
		813.	561.	479.	386.	413.	374.	448.	253.	354.	278.	301.	259.
5143	0.000	364.	229.	267.	401.	215.	136.	187.	147.	59.	12.	18.	11.
MEAN		693.	344.	299.	287.	375.	222.	225.	191.	170.	56.	37.	32.
		529.	287.	283.	344.	295.	179.	206.	169.	115.	34.	28.	22.
5143	32.000	190.	107.	83.	42.	51.	196.	100.	111.	160.	66.	115.	109.
MEAN		89.	35.	0.	0.	1.	3.	93.	63.	42.	22.	0.	2.
		140.	71.	42.	21.	26.	100.	97.	87.	101.	44.	58.	56.
5143	10.000	749.	287.	143.	73.	42.	15.	72.	48.	56.	191.	119.	28.
MEAN		647.	413.	220.	191.	199.	201.	91.	62.	23.	3.	0.	13.
		698.	350.	182.	132.	121.	108.	82.	55.	40.	97.	60.	21.
5143	1.000	518.	428.	307.	359.	349.	362.	336.	312.	177.	172.	167.	160.
MEAN		766.	447.	325.	263.	192.	215.	101.	118.	154.	82.	123.	97.
		642.	438.	316.	311.	271.	289.	219.	215.	166.	127.	145.	129.
5145	0.000	354.	287.	266.	181.	363.	378.	273.	307.	188.	166.	107.	113.
MEAN		380.	363.	272.	365.	402.	431.	315.	136.	167.	67.	23.	3.
		367.	325.	269.	273.	383.	405.	294.	222.	178.	117.	65.	58.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

GROUP	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5145	15.800	111.	53.	40.	46.	17.	13.	17.	21.	19.	10.	30.	19.
		38.	203.	92.	79.	66.	63.	11.	13.	99.	82.	147.	91.
MEAN		75.	128.	66.	63.	42.	38.	14.	17.	59.	46.	89.	55.
5145	10.000	106.	118.	112.	47.	53.	34.	123.	120.	57.	101.	6.	33.
		48.	31.	51.	12.	62.	72.	107.	90.	101.	20.	35.	0.
MEAN		77.	75.	82.	30.	58.	53.	115.	105.	79.	61.	21.	17.
5145	3.200	373.	225.	201.	97.	98.	203.	166.	144.	50.	43.	15.	17.
		524.	271.	292.	303.	244.	236.	220.	201.	172.	110.	229.	56.
MEAN		449.	248.	247.	200.	171.	220.	193.	173.	111.	77.	122.	37.
5145	.320	837.	428.	181.	174.	226.	135.	105.	188.	145.	73.	100.	6.
		444.	319.	300.	233.	352.	301.	51.	249.	119.	108.	66.	56.
MEAN		641.	374.	241.	204.	289.	218.	78.	219.	132.	91.	83.	31.
365853	0.000	921.	593.	550.	434.	437.	247.	356.	424.	416.	165.	237.	326.
		649.	422.	449.	418.	302.	233.	260.	211.	124.	236.	147.	124.
MEAN		785.	508.	500.	426.	370.	240.	308.	318.	270.	201.	192.	225.
365853	100.000	23.	9.	115.	122.	74.	163.	135.	78.	95.	120.	65.	187.
		13.	0.	0.	0.	4.	89.	12.	29.	107.	24.	62.	162.
MEAN		18.	5.	58.	61.	39.	126.	74.	54.	101.	72.	64.	175.
365853	10.000	656.	335.	283.	202.	234.	235.	198.	159.	128.	143.	110.	59.
		733.	420.	324.	327.	380.	383.	251.	328.	264.	256.	348.	236.
MEAN		695.	378.	304.	265.	307.	309.	225.	244.	196.	200.	229.	148.

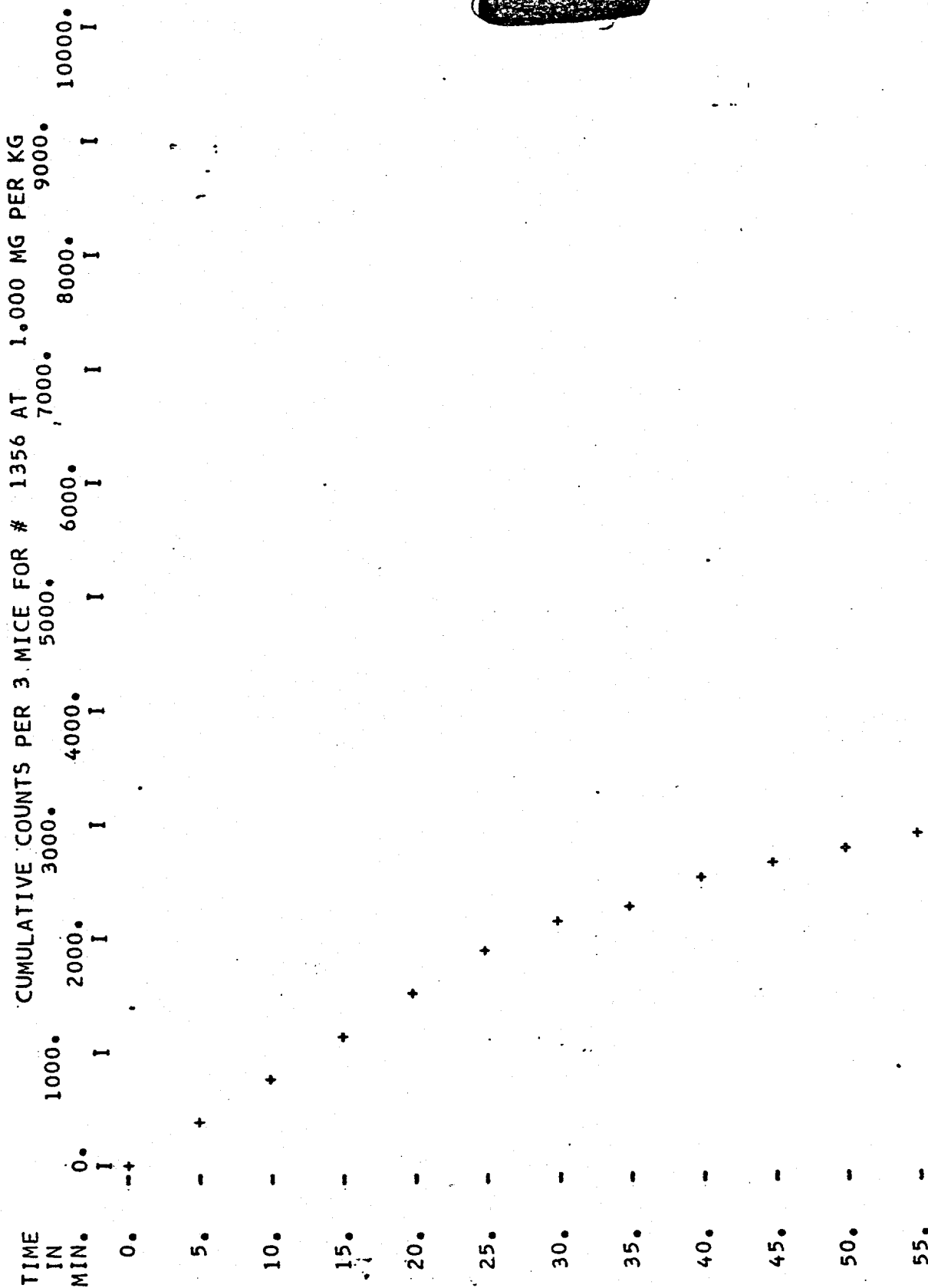
LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL MG/KG	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
365859	0.000	535.	442.	440.	318.	330.	290.	287.	244.	297.	132.	217.	270.
MEAN		771.	602.	511.	422.	406.	398.	389.	272.	390.	344.	146.	232.
		653.	522.	476.	370.	368.	344.	338.	258.	344.	238.	182.	251.
365859	10.000	305.	286.	180.	154.	123.	192.	316.	200.	248.	179.	181.	162.
MEAN		215.	124.	157.	252.	237.	265.	241.	250.	168.	199.	117.	139.
		260.	205.	169.	203.	180.	229.	279.	225.	208.	189.	149.	151.
365859	1.000	625.	365.	334.	203.	250.	270.	290.	248.	186.	188.	210.	111.
MEAN		489.	293.	289.	238.	304.	196.	181.	91.	73.	122.	86.	49.
		557.	329.	312.	221.	277.	233.	236.	170.	130.	155.	148.	80.
365891	0.000	813.	724.	504.	491.	425.	582.	478.	450.	307.	392.	517.	253.
MEAN		830.	600.	412.	394.	352.	357.	250.	211.	282.	237.	258.	152.
		822.	662.	458.	443.	389.	470.	364.	331.	295.	315.	388.	203.
365891	32.000	53.	24.	52.	7.	10.	12.	4.	15.	19.	50.	7.	0.
MEAN		251.	188.	152.	208.	183.	153.	258.	234.	219.	238.	189.	160.
		152.	106.	102.	108.	97.	83.	131.	125.	119.	144.	98.	80.
865891	1.000	697.	545.	420.	409.	441.	387.	281.	364.	357.	417.	307.	392.
MEAN		631.	414.	572.	501.	390.	391.	363.	402.	461.	444.	342.	326.
		664.	480.	496.	455.	416.	389.	322.	383.	409.	431.	325.	359.

2.



CUMULATIVE COUNTS PER 3 MICE FOR # 1356 AT 0.000 MG PER KG

TIME

IN

MIN.

0.

5.

10.

15.

20.

25.

30.

35.

40.

45.

50.

55.

60.

1000.

I

2000.

I

3000.

I

4000.

I

5000.

I

6000.

I

7000.

I

8000.

I

9000.

I

10000.

I

TIME IN MIN.	CUMULATIVE COUNTS PER 3 MICE FOR #	2367 AT	10.000 MG PER KG
0.	- +		
5.	- +		
10.	- +		
15.	- +		
20.	- +		
25.	- +		
30.	- +		
35.	- +		
40.	- +		
45.	- +		
50.	- +		
55.	- +		

CUMULATIVE COUNTS PER 3 MICE FOR # 2367 AT .100 MG PER KG

10000.

9000.

8000.

7000.

6000.

5000.

4000.

3000.

2000.

1000.

0.

TIME
IN
MIN.

0.

5.

10.

15.

20.

25.

30.

35.

40.

45.

50.

55.

I

I

I

I

I

I

I

I

I

I

+

+

+

+

+

+

+

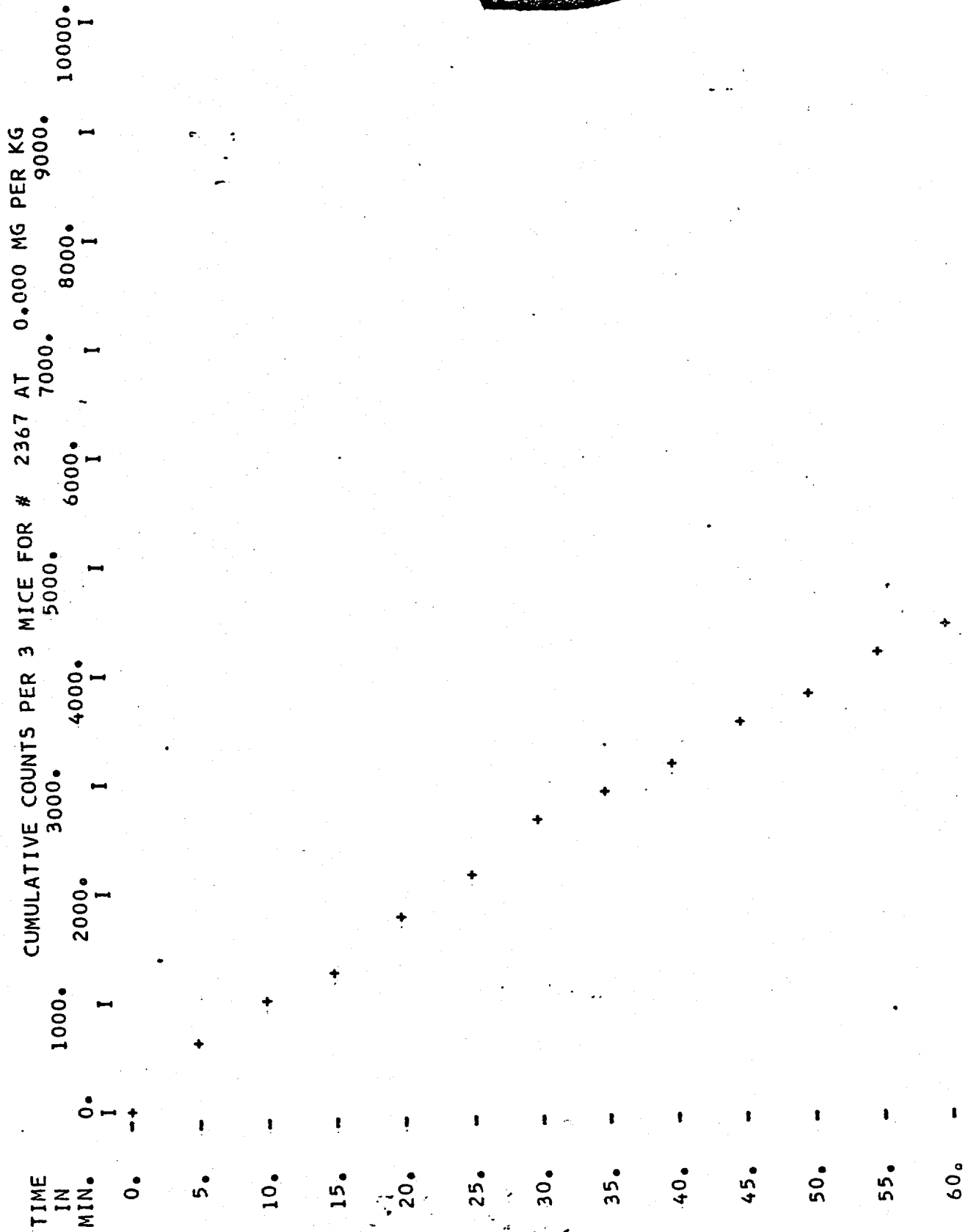
+

+

+

+

+



CUMULATIVE COUNTS PER 3 MICE FOR # 2516 AT 56,000 MG PER KG										
TIME IN MIN.	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.
0.	-	I	I	I	I	I	I	I	I	I
5.	-									
10.	-									
15.	-									
20.	-									
25.	-									
30.	-									
35.	-									
40.	-									
45.	-									
50.	-									
55.	-									

10000.

CUMULATIVE COUNTS PER 3 MICE FOR # 2516 AT 10.000 MG PER KG

TIME
IN
MIN.

1000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

0.

+

5.

+

10.

+

15.

+

20.

+

25.

+

30.

+

35.

+

40.

+

45.

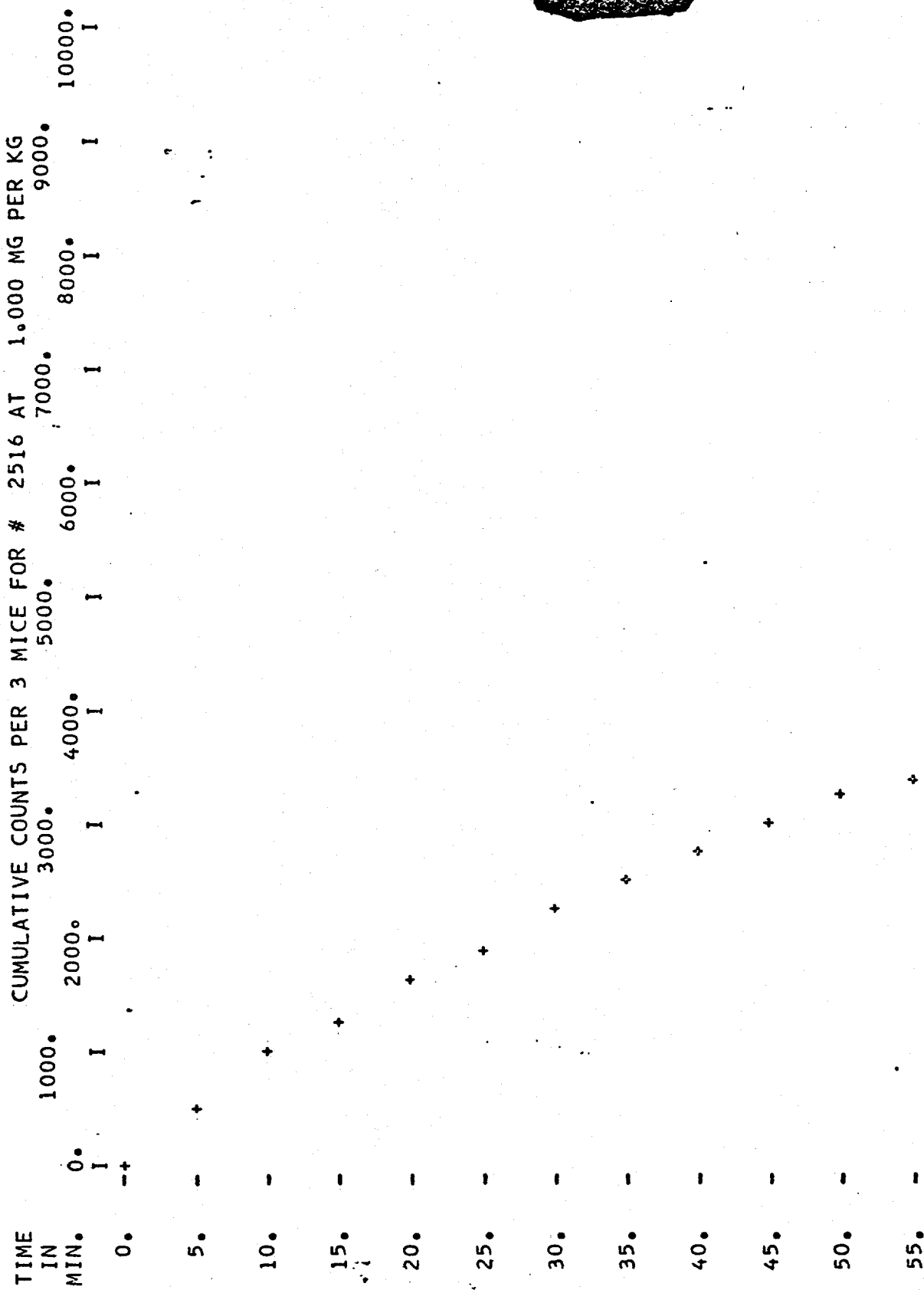
+

50.

+

55.

+



CUMULATIVE COUNTS PER 3 MICE FOR # 2516 AT 0.000 MG PER KG

TIME IN MIN.	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.	10000.
0.	-	I	I	I	I	I	I	I	I	I	I
5.	-	+									
10.	-	+									
15.	-	+									
20.	-	+									
25.	-	+									
30.	-	+									
35.	-	+									
40.	-	+									
45.	-	+									
50.	-	+									
55.	-	+									
60.	-	+									

CUMULATIVE COUNTS PER 3 MICE FOR # 2531 AT 10.000 MG PER KG

TIME

IN

MIN.

0.

5.

10.

15.

20.

25.

30.

35.

40.

45.

50.

55.

60.

1000.

3000.

4000.

5000.

6000.

7000.

8000.

9000.

10000.

1000.

3000.

4000.

5000.

6000.

7000.

8000.

9000.

10000.

1000.

3000.

4000.

5000.

6000.

7000.

8000.

9000.

10000.

1000.

3000.

4000.

5000.

6000.

7000.

8000.

9000.

10000.

1000.

3000.

4000.

5000.

6000.

7000.

8000.

9000.

10000.

CUMULATIVE COUNTS PER 3 MICE FOR # 2531 AT 100.000 MG PER KG

TIME
IN
MIN.

0.

+

+

+

+

+

+

+

+

+

+

+

+

+

1000.

I

2000.

I

3000.

I

4000.

I

5000.

I

6000.

I

7000.

I

8000.

I

9000.

I

10000.

I

TIME IN MIN.	CUMULATIVE COUNTS PER 3 MICE FOR # 2531 AT	0.000 MG PER KG
0.	1000.	9000.
1	2000.	7000.
1	3000.	6000.
1	4000.	5000.
1	5000.	4000.
1	6000.	3000.
1	7000.	2000.
1	8000.	1000.
1	9000.	0.
1	10000.	

TIME IN MIN.	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.	10000.
0.	I	I	I	I	I	I	I	I	I	I	I
5.	-	+									
10.	-	+									
15.	-	+									
20.	-		+								
25.	-		+								
30.	-		+								
35.	-			+							
40.	-			+							
45.	-			+							
50.	-			+							
55.	-			+							
60.	-			+							

CUMULATIVE COUNTS PER 3 MICE FOR #	2531 AT	1,000 MG PER KG
2000	5000	9000
	7000	

0-1-+

1000.

0

1

+

1

1

1

1

i



3

6

1

3

3

CUMULATIVE COUNTS PER 3 MICE FOR # 2598 AT 0.000 MG PER KG

TIME IN MIN.	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.	10000.
0.	I	I	I	I	I	I	I	I	I	I	I
5.	-										
10.	-	+									
15.	-	+									
20.	-	+									
25.	-		+								
30.	-		+								
35.	-			+							
40.	-			+							
45.	-				+						
50.	-					+					
55.	-						+				
60.	-							+			

CUMULATIVE COUNTS PER 3 MICE FOR # 2598 AT 10.000 MG PER KG

TIME

IN

MIN.

0.

-

+

1000.

I

I

2000.

I

I

3000.

I

I

4000.

I

I

5000.

I

I

6000.

I

I

7000.

I

I

8000.

I

I

9000.

I

I

10000.

I

I

5.

-

+

10.

-

+

15.

-

+

20.

-

+

25.

-

+

30.

-

+

35.

-

+

40.

-

+

45.

-

+

50.

-

+

55.

-

+

60.

-

+

CUMULATIVE COUNTS PER 3 MICE FOR # 2717 AT 1.000 MG PER KG											
TIME IN MIN.	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.	10000.
0.	I	I	I	I	I	I	I	I	I	I	I
5.	-	+									
10.	-	+									
15.	-		+								
20.	-		+								
25.	-		+								
30.	-		+								
35.	-			+							
40.	-			+							
45.	-			+							
50.	-			+							
55.	-			+							
60.	-			+							

CUMULATIVE COUNTS PER 3 MICE FOR # 2778 AT 10.000 MG PER KG

1000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

0. 1 1 1 1 1 1 1 1 1

0. 1 1 1 1 1 1 1 1 1

5. - +

10. - +

15. - +

20. - +

25. - +

30. - +

35. - +

40. - +

45. - +

50. - +

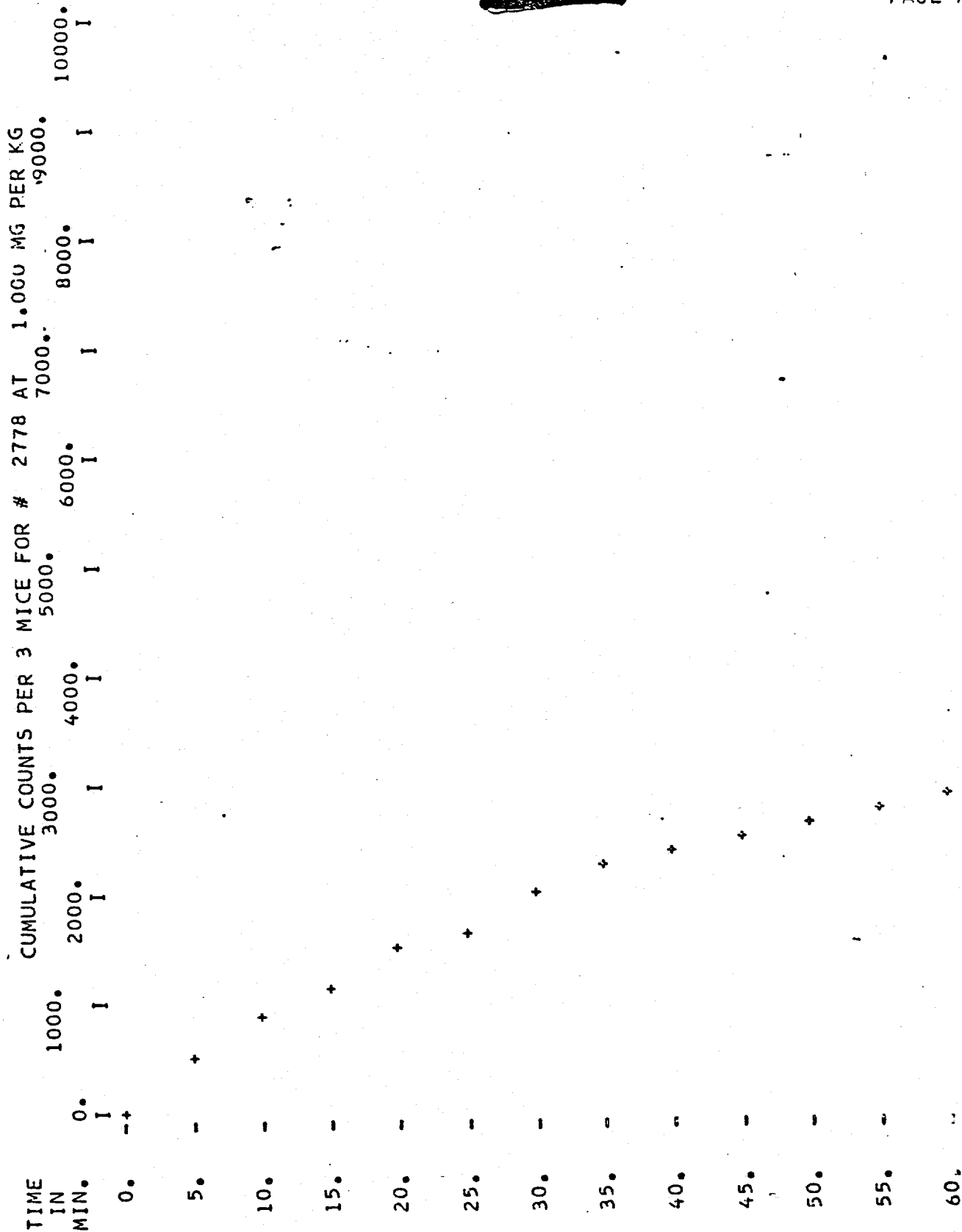
55. - +

60. - +

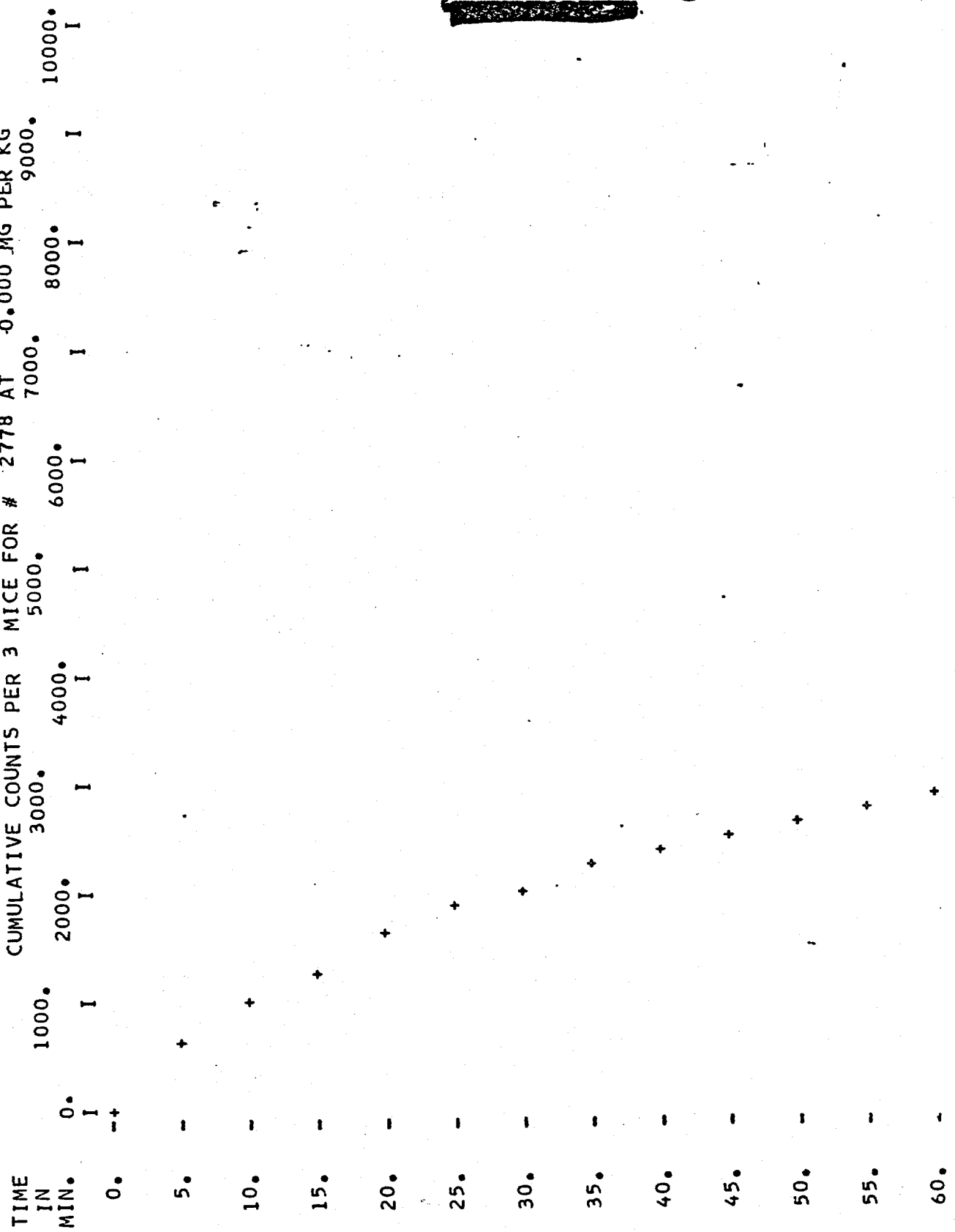
TIME

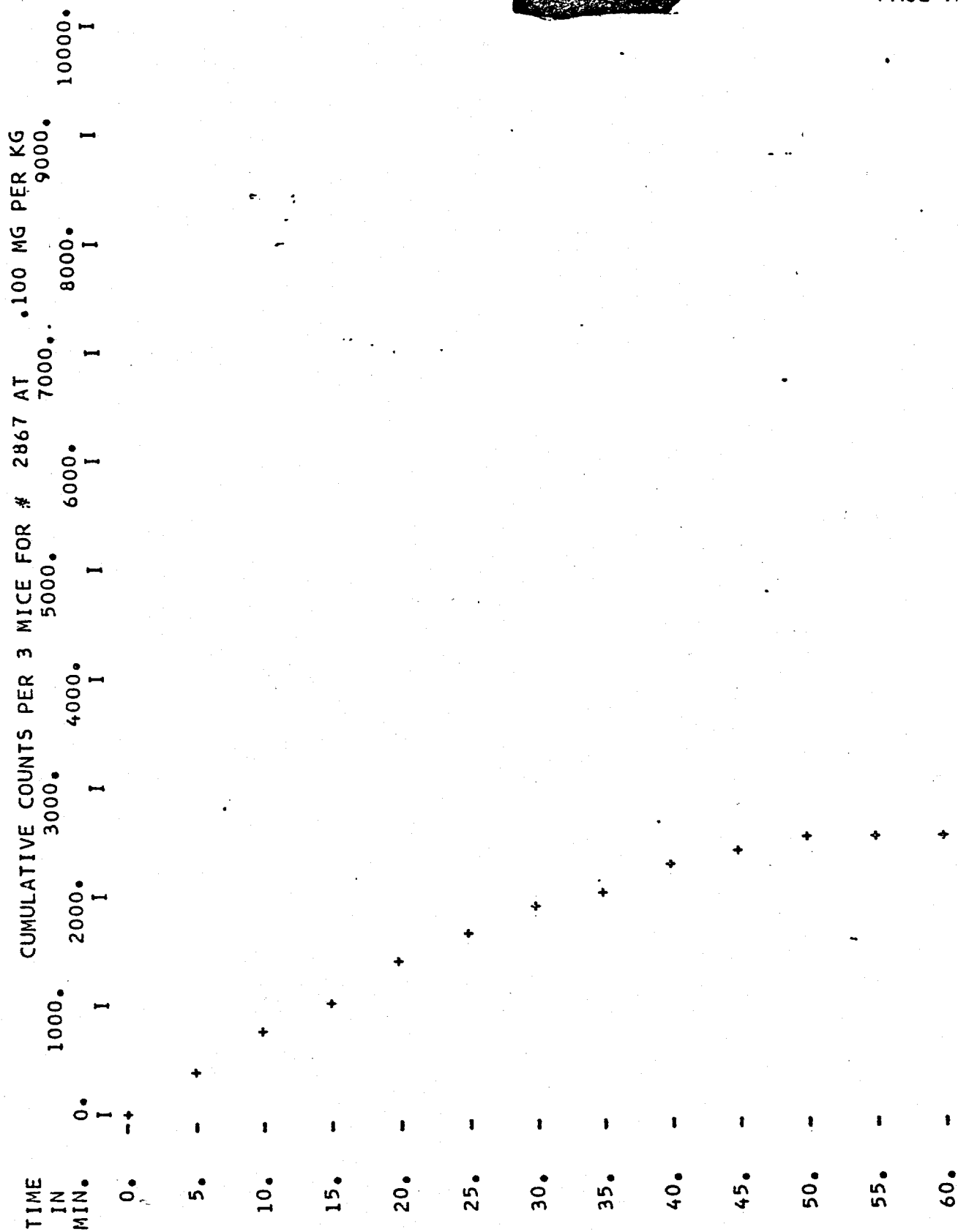
IN

MIN.



CUMULATIVE COUNTS PER 3 MICE FOR # 2778 AT 0.000 MG PER KG



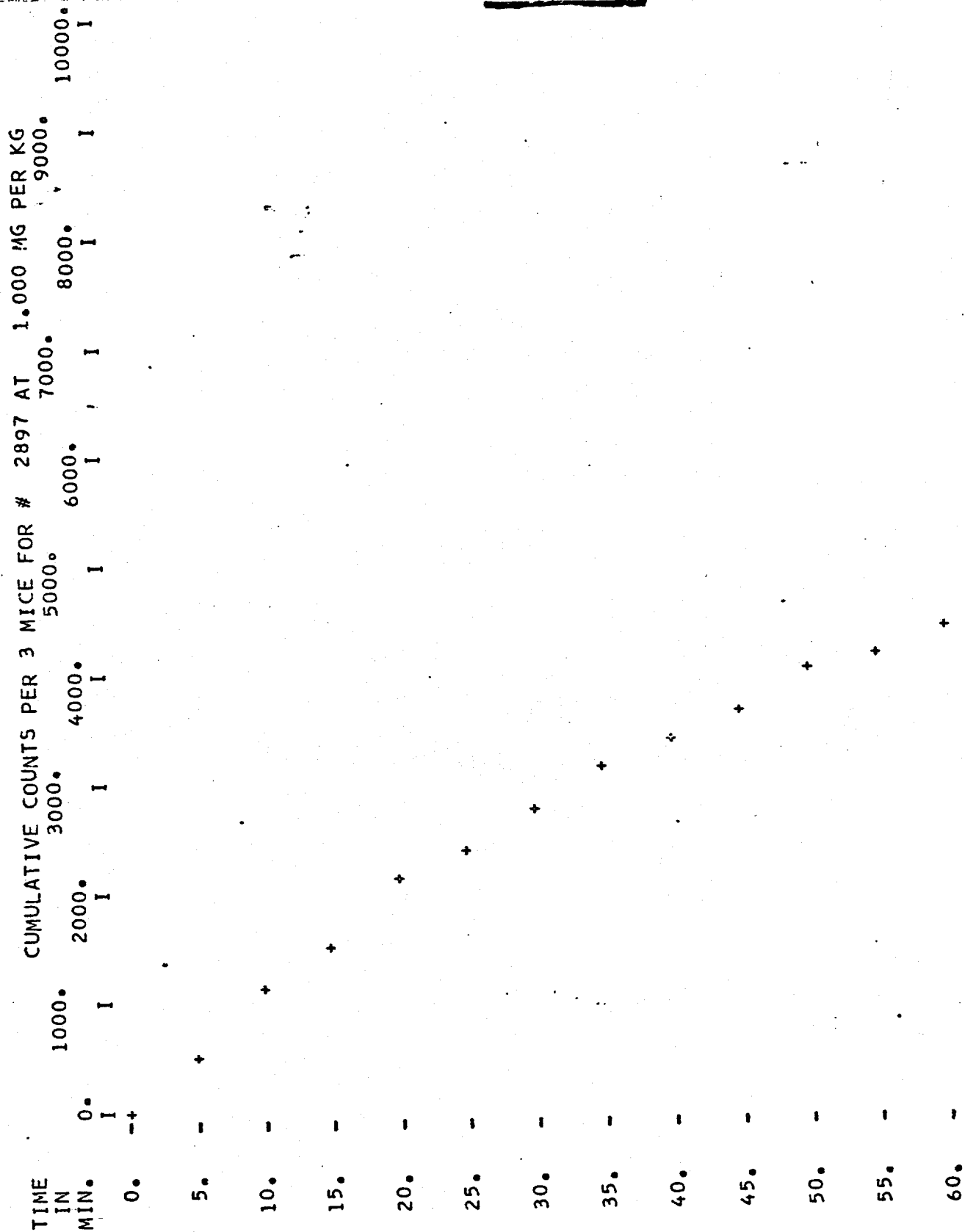


CUMULATIVE COUNTS PER 3 MICE FOR # 2867 AT 0.000 MG PER KG

TIME IN MIN.	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.	10000.
0.	I	I	I	I	I	I	I	I	I	I	I
5.	-	+									
10.	-	+									
15.	-	+									
20.	-		+								
25.	-		+								
30.	-			+							
35.	-			+							
40.	-			+							
45.	-			+							
50.	-				+						
55.	-					+					
60.	-						+				

[illegible]

TIME IN MIN.	CUMULATIVE COUNTS PER 3 MICE FOR # 2897 AT 50.100 MG PER KG									
	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.
0.	-	I	I	I	I	I	I	I	I	I
5.	-	+								
10.	-	+								
15.	-	+								
20.	-	+								
25.	-	+								
30.	-	+								
35.	-	+								
40.	-	+								
45.	-	+								
50.	-	+								
55.	-	+								
60.	-	+								



CUMULATIVE COUNTS PER 3 MICE FOR # 2897 AT 0.000 MG PER KG

TIME IN MIN.	0.	1000.	2000.	3000.	4000.	5000.	6000.	7000.	8000.	9000.	10000.
0.	-	I	I	I	I	I	I	I	I	I	I
5.	-	+									
10.	-	+									
15.	-	+									
20.	-	+									
25.	-		+								
30.	-		+								
35.	-		+								
40.	-		+								
45.	-			+							
50.	-				+						
55.	-					+					
60.	-						+				

TIME IN MIN.	CUMULATIVE COUNTS PER 3 MICE FOR # 2935 AT 1.000 MG PER KG
0.	0.
5.	1000.
10.	2000.
15.	3000.
20.	4000.
25.	5000.
30.	6000.
35.	7000.
40.	8000.
45.	9000.
50.	10000.
55.	
60.	

CUMULATIVE COUNTS PER 3 MICE FOR #	2963 AT	56,000 MG PER KG
2000.		
3000.		
4000.		
5000.		
6000.		
7000.		
8000.		
9000.		
10000.		

TIME IN MIN.	0.	1000.
0.	-	I
5.	-	
10.	-	
15.	-	
20.	-	
25.	-	
30.	-	
35.	-	
40.	-	
45.	-	
50.	-	
55.	-	
60.	-	

[illegible]

CUMULATIVE COUNTS PER 3 MICE FOR # 2963 AT 1.000 MG PER KG

TIME

IN

MIN.

1000.

I

2000.

I

3000.

I

4000.

I

5000.

I

6000.

I

7000.

I

8000.

I

9000.

I

10000.

I

0.

-

5.

-

10.

-

15.

-

20.

-

25.

-

30.

-

35.

-

40.

-

45.

-

50.

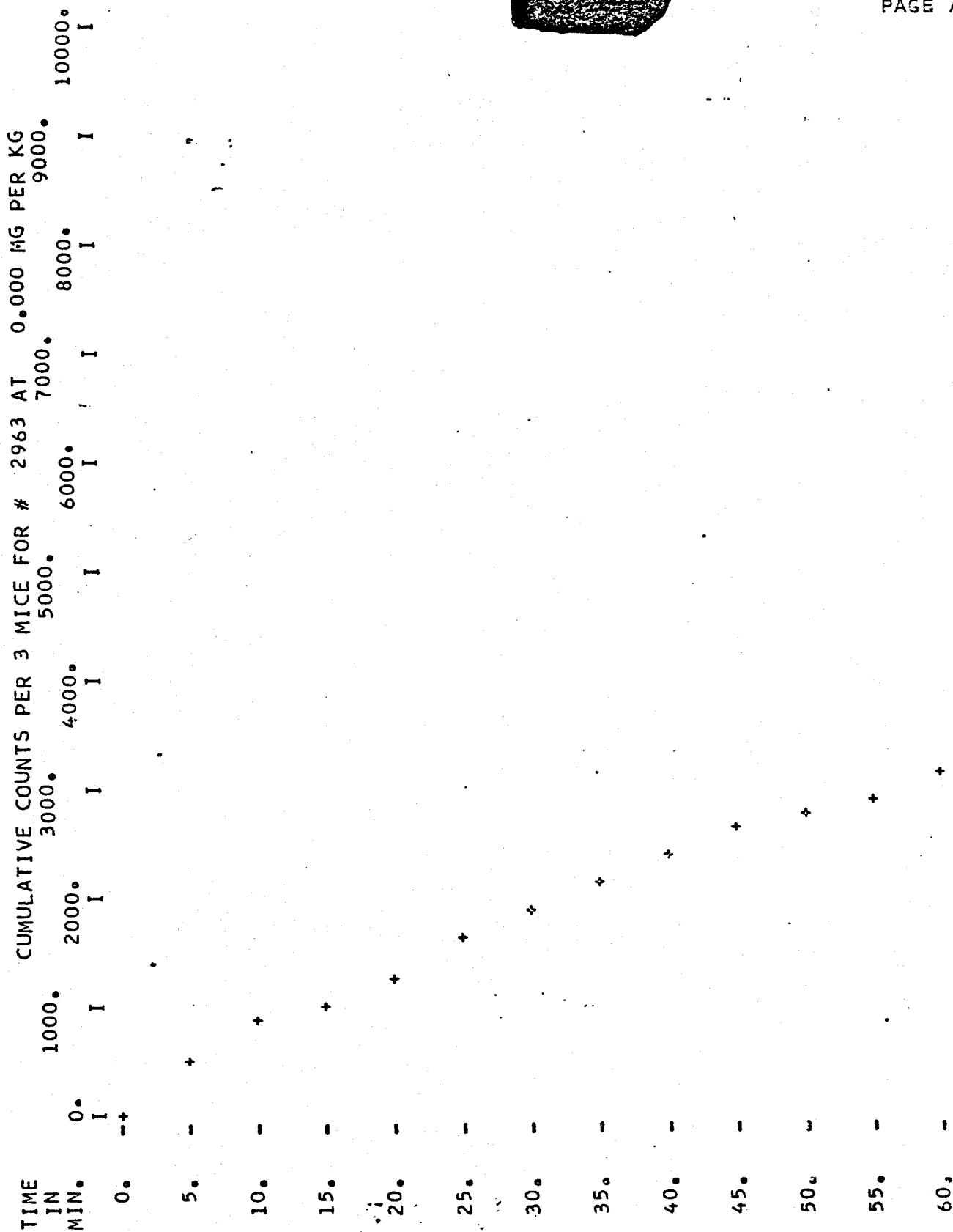
-

55.

-

60.

-



CUMULATIVE COUNTS PER 3 MICE FOR # 2984 AT 1.000 MG PER KG

TIME IN MIN.

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

5. -

10. -

15. -

20. -

25. -

30. -

35. -

40. -

45. -

50. -

55. -

60. -

| TIME
IN
MIN. | CUMULATIVE COUNTS PER 3 MICE FOR # | 2884 AT | 0.000 MG PER KG |
|--------------------|------------------------------------|---------|-----------------|
| 1000. | 3000. | 7000. | 9000. |
| 0. | 2000. | 6000. | 8000. |
| | 3000. | 5000. | 10000. |

CUMULATIVE COUNTS PER 3 MICE FOR # 2984 AT 10.000 MG PER KG

TIME
IN
MIN.

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

0. 1 1 1 1 1 1 1 1 1

-+

5. -

10. -

15. -

20. -

25. -

30. -

35. -

40. -

45. -

50. -

55. -

60. -

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+

+

+

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+

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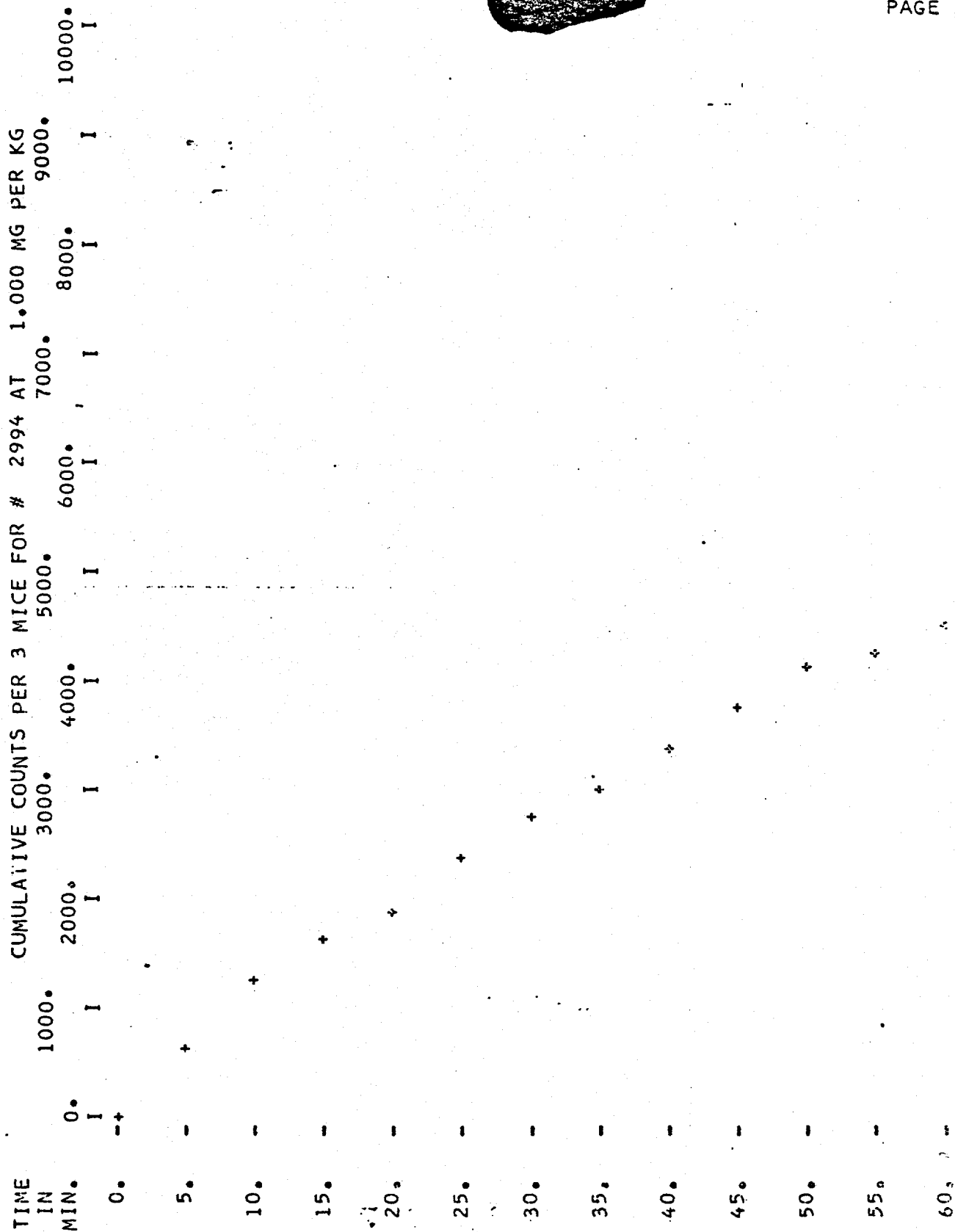
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CUMULATIVE COUNTS PER 3 MICE FOR # 2994 AT 100.000 MG PER KG

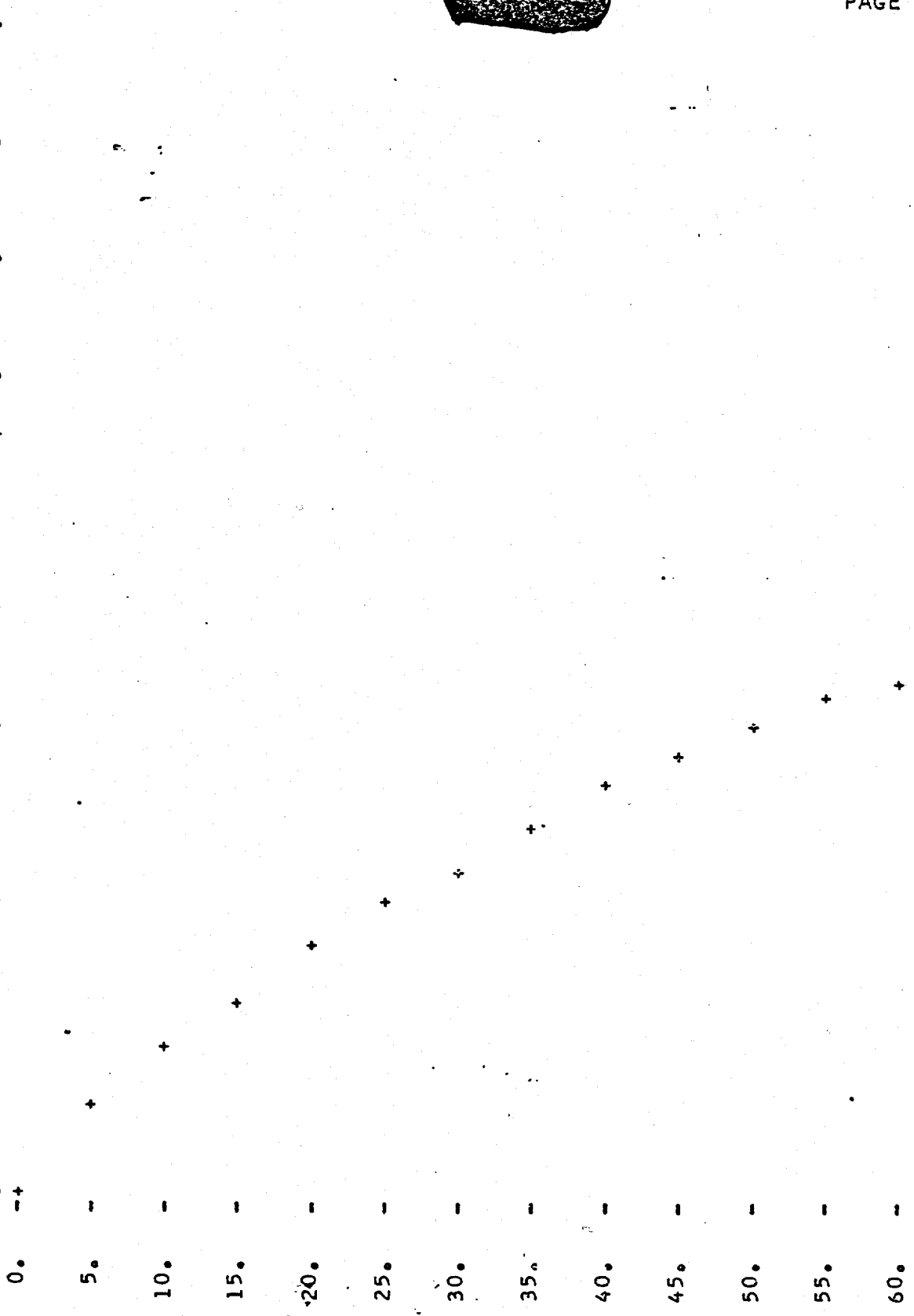
| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | I | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | + | | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | + | | | | | | | | |
| 30. | - | | + | | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | + | | | | | | | |
| 45. | - | | | | + | | | | | | |
| 50. | - | | | | | + | | | | | |
| 55. | - | | | | | | + | | | | |
| 60. | - | | | | | | | + | | | |



CUMULATIVE COUNTS PER 3 MICE FOR # 2994 AT 0.000 MG PER KG

TIME
IN
MIN.

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR # 2995 AT 0.000 MG PER KG



| TIME
IN
MIN. | CUMULATIVE COUNTS PER 3 MICE FOR # | 2995 AT | 20,000 MG PER KG |
|--------------------|------------------------------------|---------|------------------|
| 0. | 0. | | |
| 5. | - + | | |
| 10. | - + | | |
| 15. | - + | | |
| 20. | - + | | |
| 25. | - + | | |
| 30. | - + | | |
| 35. | - + | | |
| 40. | - + | | |
| 45. | - + | | |
| 50. | - + | | |
| 55. | - + | | |
| 60. | - + | | |

CUMULATIVE COUNTS PER 3 MICE FOR # 2995 AT 1.000 MG PER KG

21

0.

I

I

I

I

I

I

I

1

1

1

I

10.

15.

20.

25.

03

54

40.

45.

50.

55

50.

CUMULATIVE COUNTS PER 3 MICE FOR # 2999 AT 1.000 MG PER KG

TIME

IN

MIN.

0.

5.

10.

15.

20.

25.

30.

35.

40.

45.

50.

55.

60.

1000.

2000.

3000.

4000.

5000.

6000.

7000.

8000.

9000.

10000.

0.

5.

10.

15.

20.

25.

30.

35.

40.

45.

50.

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60.

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+

+

TIME
IN
MIN.

1000.

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15. - 4

20. $\begin{matrix} + \\ - \end{matrix}$

25. +

30. - +

35.

40. + +

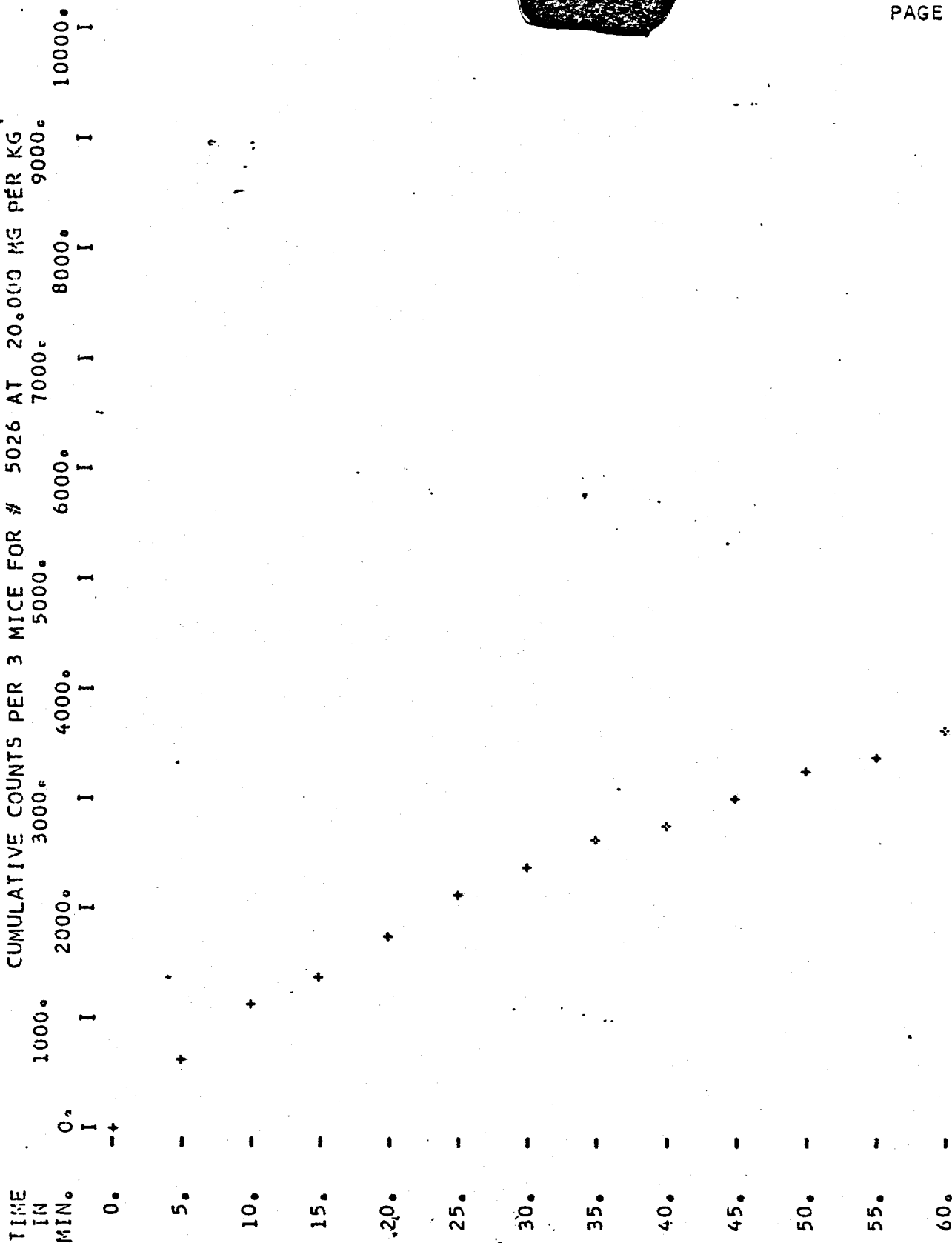
45. - +

50. +

55. +

60.

CUMULATIVE COUNTS PER 3 MICE FOR # 5026 AT 20,000 MG PER KG



| TIME
IN
MIN. | CUMULATIVE COUNTS PER 3 MICE FOR # | 5026 AT | .320 MG PER KG |
|--------------------|------------------------------------|---------|----------------|
| 0. | 0. | 0. | 0. |
| 1000. | 1000. | 1000. | 10000. |
| | 2000. | 2000. | 20000. |
| | 3000. | 3000. | 30000. |
| | 4000. | 4000. | 40000. |
| | 5000. | 5000. | 50000. |
| | 6000. | 6000. | 60000. |
| | 7000. | 7000. | 70000. |
| | 8000. | 8000. | 80000. |
| | 9000. | 9000. | 90000. |
| | 10000. | 10000. | 100000. |

TIME IN MIN.

100.

3000.

2000.

4000.

5000.

6000.

1000.

• 0000

10006

1000

 $\frac{1}{2}$

5

10.

15. - +

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CUMULATIVE COUNTS PER 3 MICE FOR # 5031 AT 0.000 MG PER KG

| TIME IN MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | I | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | | + | | | | | | | |
| 30. | - | | | + | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | + | | | | | | | |
| 45. | - | | | + | | | | | | | |
| 50. | - | | | + | | | | | | | |
| 55. | - | | | + | | | | | | | |
| 60. | - | | | + | | | | | | | |

CUMULATIVE COUNTS PER 3 MICE FOR # 5031 AT 100.000 MG PER KG.

10000.

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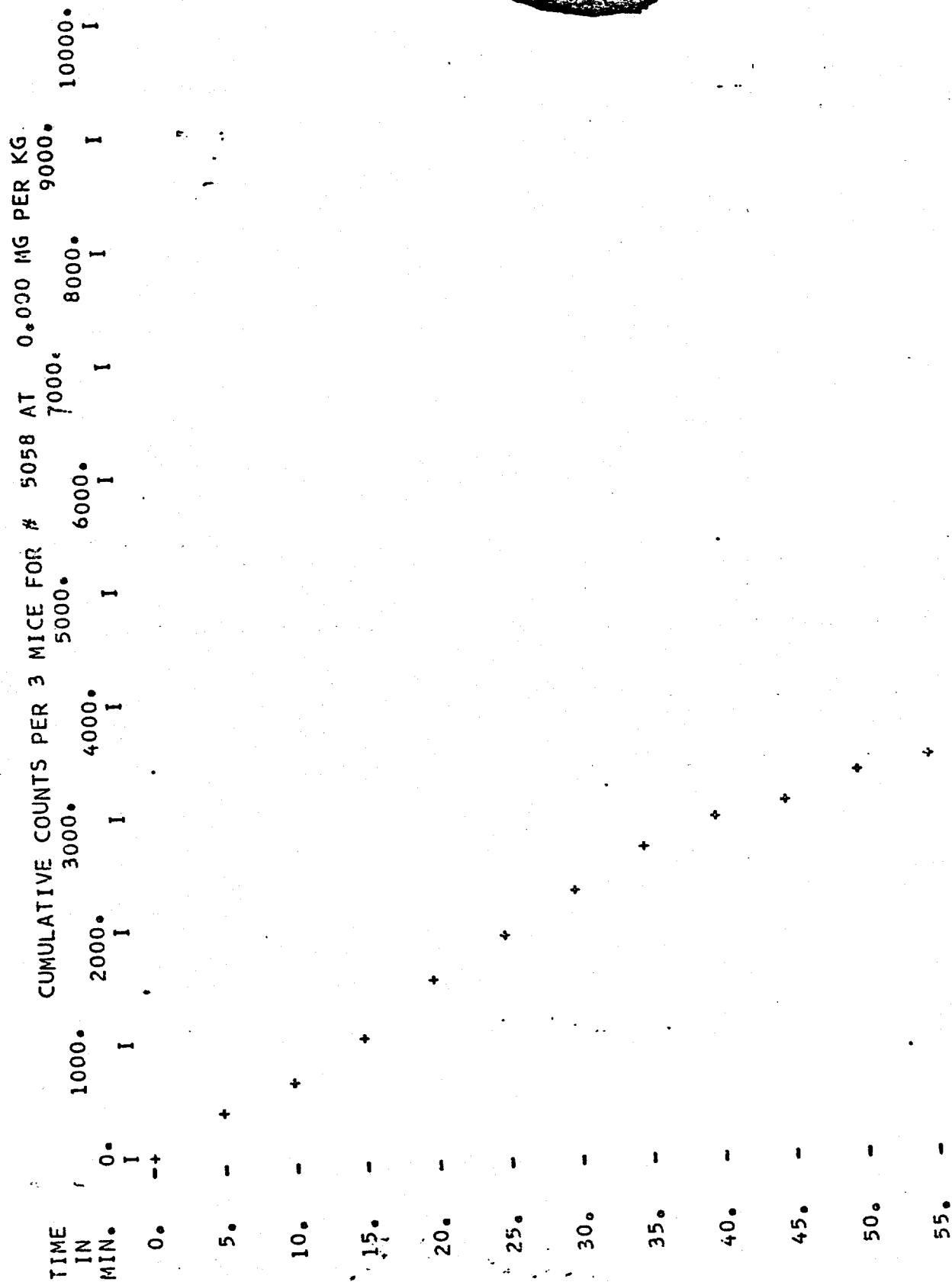
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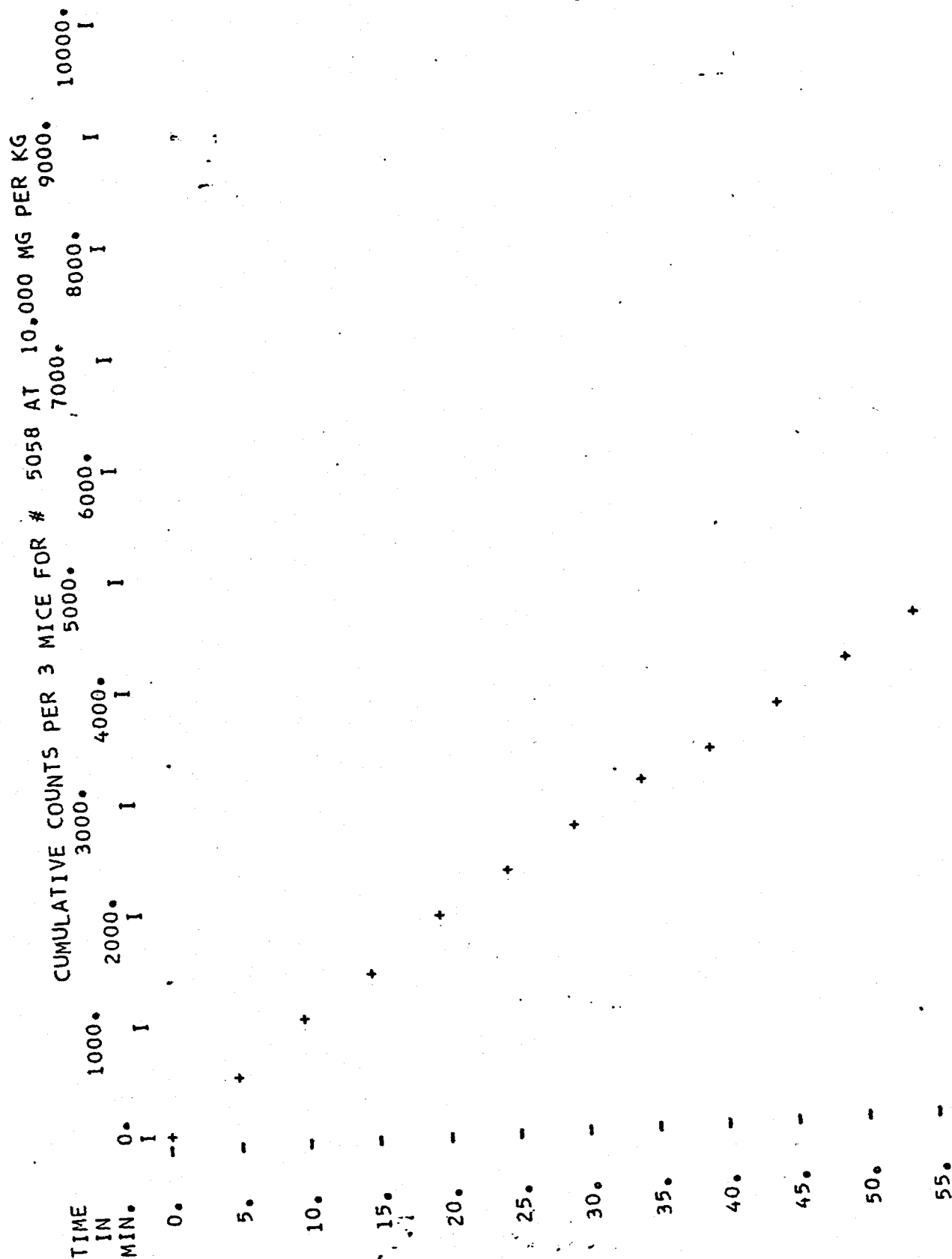
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CUMULATIVE COUNTS PER 3 MICE FOR # 5059 AT 10.000 MG PER KG

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CUMULATIVE COUNTS PER 3 MICE FOR # 5059 AT 1,000 MG PER KG

TIME

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CUMULATIVE COUNTS PER 3 MICE FOR # 5071 AT 10.000 MG PER KG

TIME

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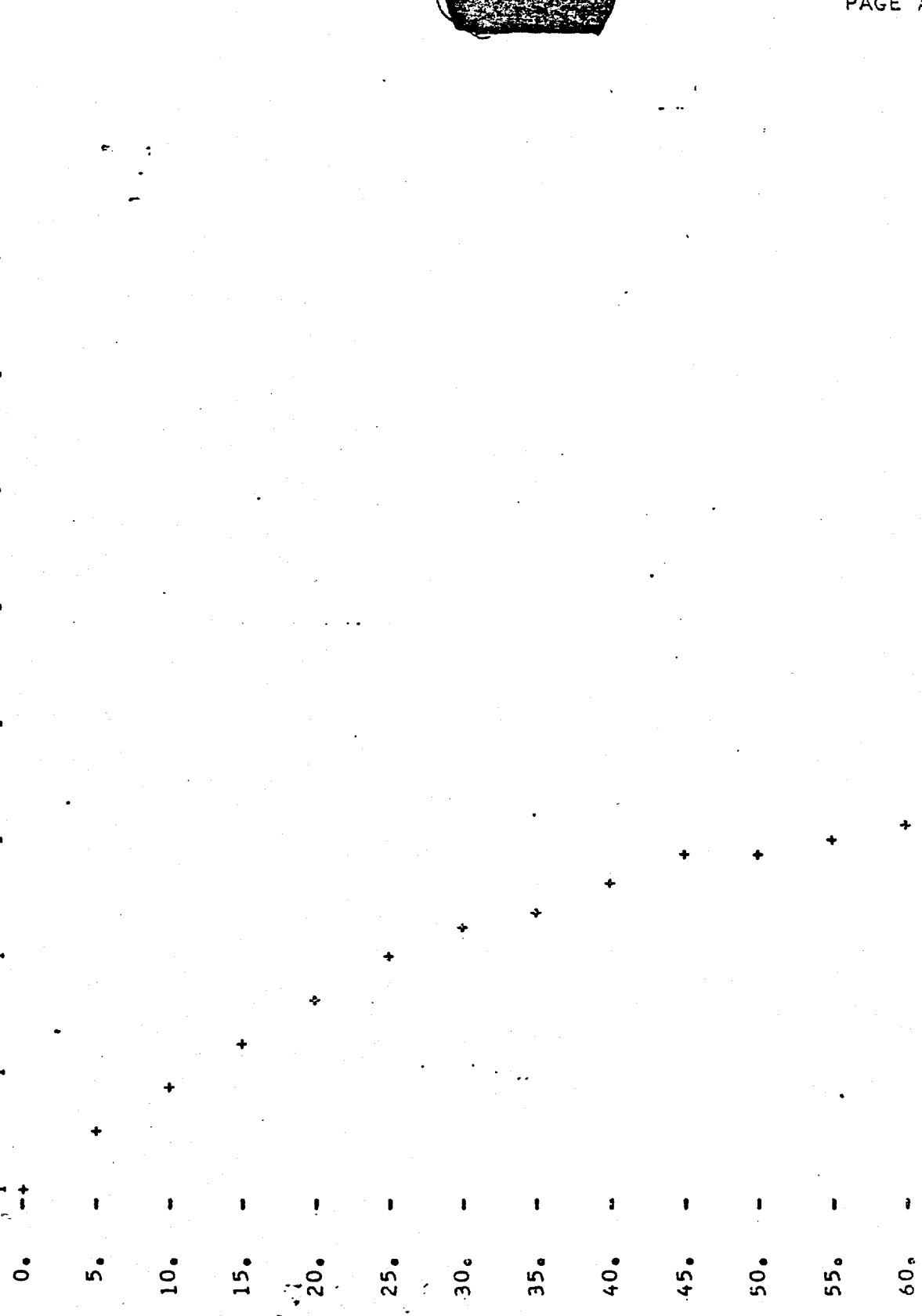
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CUMULATIVE COUNTS PER 3 MICE FOR # 5071 AT 1.000 MG PER KG

TIME IN MIN. 0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR # 5071 AT 0.000 MG PER KG

TIME
IN
MIN.

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40. - +

45. - +

50. - +

55. - +

CUMULATIVE COUNTS PER 3 MICE FOR # 5092 AT 250,000 MG PER KG

TIME IN MIN.

1000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

0. 1 1 1 1 1 1 1 1 1

0. - +

5. - +

10. - +

15. - +

20. - +

25. - +

30. - +

35. - +

40. - +

45. - +

50. - +

55. - +

60. - +

CUMULATIVE COUNTS PER 3 MICE FOR # 5092 AT 10.000 NG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | I | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
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| 20. | - | | + | | | | | | | | |
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| 30. | - | | + | | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | + | | | | | | | |
| 45. | - | | | + | | | | | | | |
| 50. | - | | | | + | | | | | | |
| 55. | - | | | | | + | | | | | |
| 60. | - | | | | | | + | | | | |

CUMULATIVE COUNTS PER 3 MICE FOR # 5092 AT 0.000 MG PER KG

| TIME
IN
MIN. | 0. | 5. | 10. | 15. | 20. | 25. | 30. | 35. | 40. | 45. | 50. | 55. | 60. |
|--------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
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1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

CUMULATIVE COUNTS PER 3 MICE FOR # 5104 AT 1.000 MG PER KG

TIME

IN

MIN.

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60.

1000.

3000.

4000.

5000.

6000.

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CUMULATIVE COUNTS PER 3 MICE FOR # 5104 AT 10.000 MG PER KG

| TIME IN MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | I | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | + | | | | | | | | |
| 30. | - | | + | | | | | | | | |
| 35. | - | | + | | | | | | | | |
| 40. | - | | | + | | | | | | | |
| 45. | - | | | + | | | | | | | |
| 50. | - | | | | + | | | | | | |
| 55. | - | | | | | + | | | | | |
| 60. | - | | | | | | + | | | | |

CUMULATIVE COUNTS PER 3 MICE FOR # 5143 AT 1.000 MG PER KG

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| CUMULATIVE COUNTS PER 3 NICE FOR # | 5145 AT | 0.000 MG PER KG |
|------------------------------------|---------|-----------------|
| 2000. | I | I |
| 3000. | I | I |
| 4000. | I | I |
| 5000. | I | I |
| 6000. | I | I |
| 7000. | I | I |
| 8000. | I | I |
| 9000. | I | I |
| 10000. | I | I |

TIME
IN
MIN.

0-1+

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CUMULATIVE COUNTS PER 3 MICE FOR # 5145 AT .320 MG PER KG

| TIME IN MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | I | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | + | | | | | | | | |
| 30. | - | | | + | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | | + | | | | | | |
| 45. | - | | | | | + | | | | | |
| 50. | - | | | | | | + | | | | |
| 55. | - | | | | | | | + | | | |
| 60. | - | | | | | | | | + | | |

CUMULATIVE COUNTS PER 3 MICE FOR # 5145 AT 3.200 MG PER KG

TIME
IN
MIN.

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR # 5145 AT 10.000 MG PER KG

| TIME
IN
MIN. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | I | I | I | I | I | I | I | I | I | I |
| 5. | - | - | - | - | - | - | - | - | - | - |
| 10. | - | - | - | - | - | - | - | - | - | - |
| 15. | - | - | - | - | - | - | - | - | - | - |
| 20. | - | - | - | - | - | - | - | - | - | - |
| 25. | - | - | - | - | - | - | - | - | - | - |
| 30. | - | - | - | - | - | - | - | - | - | - |
| 35. | - | - | - | - | - | - | - | - | - | - |
| 40. | - | - | - | - | - | - | - | - | - | - |
| 45. | - | - | - | - | - | - | - | - | - | - |
| 50. | - | - | - | - | - | - | - | - | - | - |
| 55. | - | - | - | - | - | - | - | - | - | - |
| 60. | - | - | - | - | - | - | - | - | - | - |

CUMULATIVE COUNTS PER 3 MICE FOR #865853 AT 0.000 MG PER KG

$$\begin{array}{c} \text{O} \cdot \\ \vdots \\ \text{O} - \text{N} \\ \vdots \\ \text{N} \cdot \end{array}$$

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CUMULATIVE COUNTS PER 3 MICE FOR #865859 AT 0.000 MG PER KG

TIME IN MIN.

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

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0. -+ 5. - 10. - 15. - 20. - 25. - 30. - 35. - 40. - 45. - 50. - 55. - 60. -



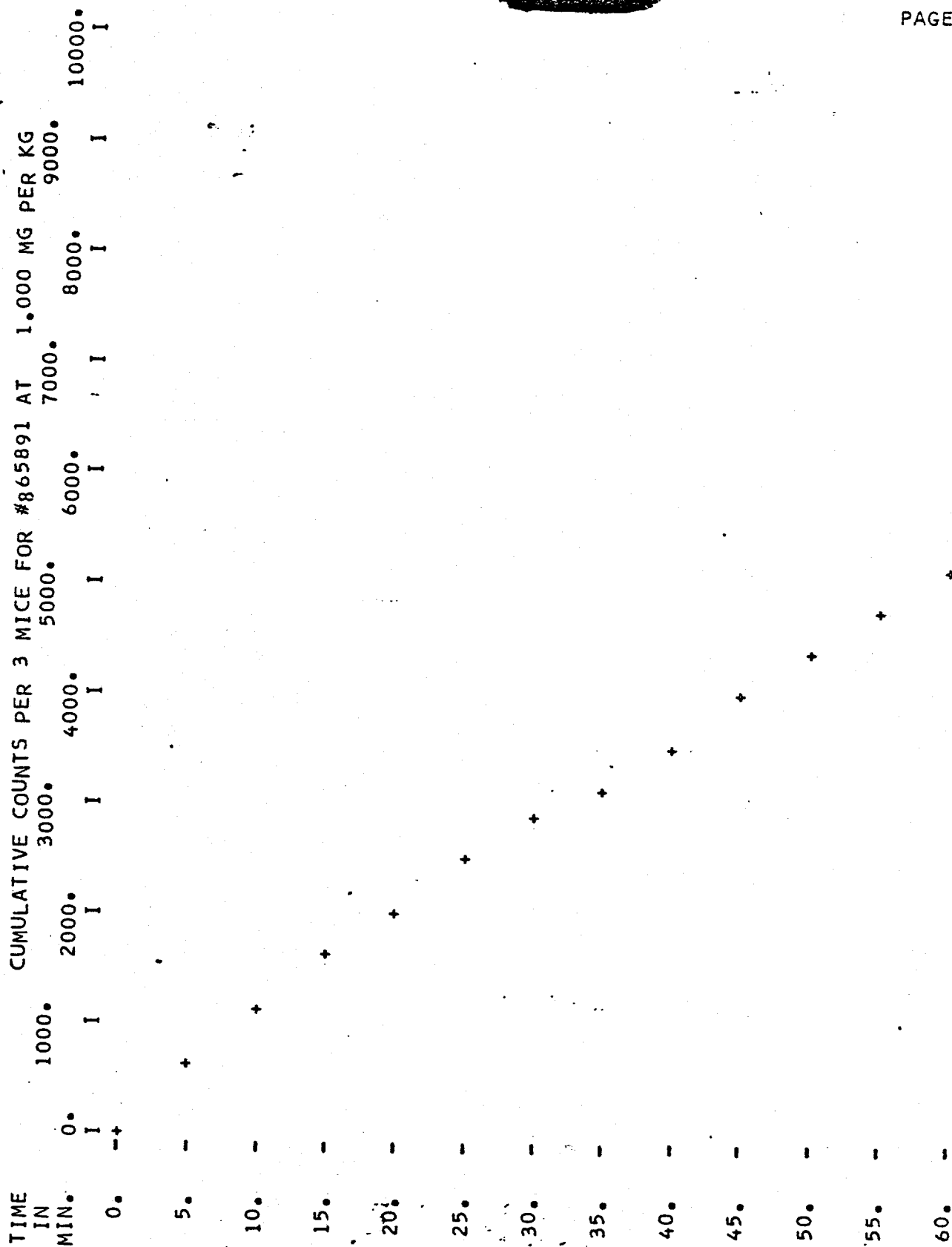
CUMULATIVE COUNTS PER 3 MICE FOR #865859 AT 1.000 MG PER KG

| CUMULATIVE COUNTS | 1.000 MG PER KG |
|-------------------|-----------------|
| 2000. | 10000. |
| 3000. | 9000. |
| 4000. | 8000. |
| 5000. | 7000. |
| 6000. | 6000. |
| 7000. | 5000. |
| 8000. | 4000. |
| 9000. | 3000. |
| 10000. | 2000. |

CUMULATIVE COUNTS PER 3 MICE FOR #865859 AT 1.000 MG PER KG

| TIME IN MIN. | 0. | 5. | 10. | 15. | 20. | 25. | 30. | 35. | 40. | 45. | 50. | 55. | 60. |
|-------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CUMULATIVE COUNTS | 0 | ~1000 | ~1500 | ~2000 | ~2500 | ~3000 | ~3500 | ~4000 | ~4500 | ~5000 | ~5500 | ~6000 | ~6500 |

CUMULATIVE COUNTS PER 3 MICE FOR #865891 AT 1.000 MG PER KG



[illegible]

MOTIVATION TESTS IN HOODED RATS START AND RUN SPEEDS IN RECIPROCAL SECONDS

| PND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | | |
|------------|---------------|---------------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | |
| | 0.00 | AVOID | 503 | 20.00 | .18 | 2.22 | 1.64 | .55 | .57 | 1.82 | 2.44 | 1.61 | 2.50 | .60 | 2.44 | 1.49 |
| | 0.00 | AVOID | 503 | 120. | .93 | .82 | 2.38 | .57 | .62 | 1.96 | 2.56 | .57 | .61 | 1.61 | .58 | 2.04 |
| | 0.00 | AVOID | 503 | 240. | .53 | .61 | 2.78 | .58 | 2.17 | .62 | 2.04 | 1.96 | 2.27 | .62 | 3.13 | .61 |
| | 10.00 | AVOID | 503 | 20.00 | .23 | 2.00 | 1.69 | 1.37 | 2.38 | .58 | 2.08 | .61 | 1.85 | .59 | 1.82 | .55 |
| | 10.00 | AVOID | 503 | 120. | .81 | .49 | 1.95 | .56 | 2.17 | 1.52 | .58 | .57 | 2.08 | 1.39 | 2.17 | 1.64 |
| | 10.00 | AVOID | 503 | 240. | .58 | .25 | .57 | .54 | .57 | .52 | 1.92 | .53 | .57 | 1.79 | 1.79 | 1.35 |
| | 10.00 | AVOID | 503 | 1440. | .13 | .13 | .52 | 2.22 | .53 | 1.56 | 1.59 | 1.41 | .58 | 1.61 | 1.47 | 1.64 |
| | 0.00 | ESCAPE | 507 | 20.00 | 3.57 | 1.30 | 4.55 | 1.37 | 4.76 | .57 | 4.55 | 1.00 | 5.00 | .54 | 4.00 | .56 |
| | 0.00 | ESCAPE | 507 | 120. | 4.17 | .55 | 3.13 | .56 | 4.76 | .92 | 4.00 | .50 | 4.35 | .57 | 5.00 | .52 |
| | 0.00 | ESCAPE | 507 | 240. | 3.70 | .56 | 3.85 | .51 | 3.57 | .97 | 3.45 | .52 | 3.70 | .53 | 3.70 | .96 |
| | 10.00 | ESCAPE | 507 | 20.00 | 3.57 | .51 | 2.86 | .56 | 4.17 | .52 | 2.86 | 1.49 | 3.70 | .54 | 3.85 | .52 |
| | 10.00 | ESCAPE | 507 | 120. | 3.33 | 1.00 | 3.57 | .97 | 3.70 | .92 | 3.85 | .53 | 3.45 | .56 | 3.85 | .52 |
| | 10.00 | ESCAPE | 507 | 240. | 2.70 | .53 | 3.70 | .92 | 4.00 | 1.00 | 4.35 | .56 | 3.70 | .53 | 4.35 | .98 |
| | 10.00 | ESCAPE | 507 | 1440. | 3.33 | .53 | 3.70 | .85 | 3.70 | .51 | 4.35 | .83 | 3.70 | .91 | 4.76 | .93 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL
START | TRIAL
1
RUN | TRIAL
START | TRIAL
2
RUN | TRIAL
START | TRIAL
3
RUN | TRIAL
START | TRIAL
4
RUN | TRIAL
5
RUN | TRIAL
START | TRIAL
6
RUN | | |
|-------------|---------------|---------------------|------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|-------------------|----------------|-------------------|------|------|
| | 0.00 | AVOID | 475 | 120. | 3.13 | .60 | 3.57 | .57 | 3.23 | .53 | 3.85 | .56 | 3.57 | 1.37 | 3.57 | 1.43 |
| 2759 | 10.00 | AVOID | 475 | 20.00 | 2.94 | .79 | 3.45 | .51 | 3.03 | .51 | 2.94 | .50 | 3.45 | .51 | 3.33 | 1.49 |
| 2759 | 10.00 | AVOID | 475 | 120. | .64 | .93 | 2.38 | .50 | 2.44 | .99 | 2.86 | .53 | 2.94 | .55 | 2.27 | .59 |
| 2759 | 10.00 | AVOID | 475 | 240. | 3.13 | .91 | 2.33 | .95 | 2.50 | .80 | 2.78 | .52 | 3.03 | .52 | 3.03 | .57 |
| 2759 | 10.00 | AVOID | 475 | 1440. | 2.08 | .65 | 1.35 | .60 | 2.27 | 1.33 | 1.85 | 1.69 | 2.70 | 1.25 | 2.63 | 1.22 |
| | 0.00 | AVOID | 501 | 20.00 | 3.45 | .59 | 4.00 | 1.92 | 3.85 | 1.52 | 4.76 | 1.72 | 5.00 | 1.56 | 4.55 | 1.79 |
| | 0.00 | AVOID | 501 | 120. | 2.04 | 1.75 | .4.00 | .57 | 4.17 | 1.49 | 3.45 | 1.35 | 3.85 | 1.49 | 3.70 | 1.59 |
| 2759 | 10.00 | AVOID | 501 | 20.00 | 4.00 | 1.64 | 3.85 | 1.45 | 4.00 | 1.61 | 4.00 | 1.72 | 4.00 | 1.35 | 4.17 | 1.85 |
| 2759 | 10.00 | AVOID | 501 | 120. | 3.85 | 1.89 | 4.00 | 1.54 | 3.57 | 1.59 | 4.55 | 1.56 | 4.55 | 1.49 | 4.17 | .59 |
| 2759 | 10.00 | AVOID | 501 | 240. | 4.17 | .56 | 4.17 | .58 | 4.35 | .59 | 3.85 | 1.67 | 3.33 | 1.79 | 4.55 | 1.69 |
| 2759 | 10.00 | AVOID | 501 | 1440. | 3.33 | 1.45 | 3.85 | 1.37 | 3.85 | 1.75 | 4.76 | 1.59 | 5.26 | 1.75 | 4.75 | 1.61 |
| | 0.00 | ESCAPE | 505 | 20.00 | 3.45 | .56 | 4.00 | .83 | 4.76 | 1.33 | 4.17 | .55 | 4.17 | .52 | 3.33 | .56 |
| | 0.00 | ESCAPE | 505 | 120. | 4.17 | .55 | 3.70 | 1.49 | 4.00 | .58 | 4.00 | 1.27 | 4.35 | .53 | 3.85 | .53 |
| 2759 | 10.00 | ESCAPE | 505 | 20.00 | 3.85 | .53 | 4.55 | .57 | 4.17 | .57 | 3.45 | .56 | 4.35 | .54 | 4.00 | .52 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| PND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN | | | | | |
|---------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------|-----|------|-----|
| | 0.00 | APRCH 452 | 20.00 | 1.69 | .28 | .04 | .45 | .03 | 2.63 | .37 | 1.82 | .36 | .58 | .37 |
| | 0.00 | APRCH 452 | 120. | .03 | - | .29 | .49 | .61 | 1.52 | .37 | .60 | .54 | .56 | .36 |
| | 0.00 | APRCH 452 | 240. | .29 | .29 | .59 | .63 | 1.54 | 1.96 | .38 | .57 | .70 | 1.59 | .38 |
| 2759 | 10.00 | APRCH 452 | 20.00 | .38 | .08 | .05 | .25 | .95 | .34 | .28 | .79 | .21 | .12 | .18 |
| 2759 | 10.00 | APRCH 452 | 120. | .40 | .31 | .03 | - | .79 | .52 | .35 | .51 | .06 | .25 | .20 |
| 2759 | 10.00 | APRCH 452 | 240. | .06 | .03 | .21 | .29 | .28 | .53 | .21 | .16 | .25 | .04 | .30 |
| 2759 | 10.00 | APRCH 452 | 1440. | .45 | .10 | .67 | .46 | 2.04 | .16 | .56 | 1.85 | .57 | 1.85 | .65 |
| | 0.00 | APRCH 492 | 20.00 | 2.33 | .47 | 1.89 | .66 | .13 | .05 | 3.33 | .56 | .65 | .22 | .96 |
| | 0.00 | APRCH 492 | 120. | .25 | .76 | 1.96 | .37 | 3.13 | .37 | .16 | .09 | .03 | .66 | .05 |
| | 0.00 | APRCH 492 | 240. | 1.64 | 3.33 | .32 | .15 | 2.00 | .20 | .35 | .39 | .34 | .52 | .36 |
| 2759 | 10.00 | APRCH 492 | 20.00 | .56 | .48 | .23 | .49 | .20 | .43 | .35 | .93 | .28 | .26 | .27 |
| 2759 | 10.00 | APRCH 492 | 120. | 2.08 | .14 | .22 | .20 | .56 | .07 | .06 | .07 | .10 | .07 | .03 |
| 2759 | 10.00 | APRCH 492 | 240. | 2.19 | .44 | .03 | .03 | .95 | .07 | .03 | .03 | .03 | .03 | .10 |
| 2759 | 10.00 | APRCH 492 | 1440. | 2.22 | .94 | .85 | .56 | 1.13 | 1.49 | .72 | 1.20 | .71 | .76 | .72 |

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| PND
NO. | DOSE
MG/KG | MOTIV
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|------------|---------------|--------------|-------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2759 | 10.00 | ESCPE 505 | 120. | 3.85 | .56 | 3.85 | .59 | 4.17 | .52 | 3.85 | .56 | 4.17 | .55 | 4.35 | .54 |
| 2759 | 10.00 | ESCPE 505 | 240. | 4.17 | .56 | 3.85 | .52 | 4.55 | .57 | 4.00 | .58 | 4.17 | 1.54 | 2.17 | .57 |
| 2759 | 10.00 | ESCPE 505 | 1440. | 2.86 | 1.30 | 5.26 | 1.41 | 4.35 | 1.47 | 5.56 | 1.64 | 1.59 | 2.22 | 4.76 | 1.49 |
| | | | | | | | | | | | | | | | |
| | 0.00 | ESCPE 466 | 20.00 | 3.85 | .95 | 4.55 | .97 | 5.56 | .94 | 5.00 | .88 | 5.00 | .55 | 4.76 | .52 |
| | 0.00 | ESCPE 466 | 120. | 5.00 | 1.49 | 4.00 | .95 | 4.00 | .97 | 4.35 | .58 | 5.00 | .53 | 5.26 | .93 |
| | | | | | | | | | | | | | | | |
| 2759 | 10.00 | ESCPE 466 | 20.00 | 4.55 | .53 | 4.00 | .56 | 3.70 | .93 | 3.57 | 1.00 | 4.00 | .51 | 4.00 | .84 |
| 2759 | 10.00 | ESCPE 466 | 120. | 4.55 | .51 | 4.17 | .98 | 2.94 | .85 | 4.00 | .86 | 4.17 | .76 | 3.70 | .53 |
| 2759 | 10.00 | ESCPE 466 | 240. | 4.17 | .53 | 4.55 | .52 | 4.55 | .54 | 4.00 | .57 | 4.76 | .52 | 4.17 | .85 |
| 2759 | 10.00 | ESCPE 466 | 1440. | 3.70 | .87 | 5.00 | 1.12 | 4.00 | .73 | 5.56 | .86 | 4.35 | .88 | 5.00 | 1.03 |
| | | | | | | | | | | | | | | | |
| | 0.00 | APRCH 496 | 20.00 | 1.59 | .28 | .54 | .63 | 1.52 | .84 | .10 | .40 | 1.45 | .97 | 2.33 | .96 |
| | 0.00 | APRCH 496 | 120. | 1.85 | .32 | .54 | 1.00 | 2.00 | .35 | .63 | .50 | .61 | .86 | .63 | .51 |
| | 0.00 | APRCH 496 | 240. | .03 | .03 | .53 | .34 | .57 | .99 | .57 | .97 | .55 | 1.00 | .58 | .51 |
| | | | | | | | | | | | | | | | |
| 2460 | 10.00 | APRCH 496 | 20.00 | .03 | .03 | .56 | .80 | .56 | .76 | .58 | .34 | .58 | .93 | 1.54 | .10 |
| 2460 | 10.00 | APRCH 496 | 120. | .59 | .74 | 1.61 | .77 | 1.82 | .78 | 2.00 | .83 | 1.79 | .75 | .79 | .80 |
| 2460 | 10.00 | APRCH 496 | 240. | .58 | .48 | .59 | .84 | .58 | .76 | 1.75 | .61 | .54 | .88 | 1.41 | .88 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|--------------|------------|-------|---------|------|---------|-----|---------|------|---------|------|---------|------|---------|------|
| | | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2460 | 10.00 | APRCH | 496 | 1440. | 1.49 | 3.33 | .93 | .67 | .53 | .92 | .40 | .95 | .56 | .91 | .56 | .91 |
| | 0.00 | APRCH | 488 | 20.00 | 1.64 | 3.33 | .28 | .28 | 2.50 | .69 | .56 | .39 | 2.50 | .48 | .50 | .14 |
| | 0.00 | APRCH | 488 | 120. | .03 | .03 | .05 | .27 | .61 | .70 | .34 | .72 | 2.17 | .27 | 2.00 | .41 |
| | 0.00 | APRCH | 488 | 240. | .05 | .16 | .48 | .80 | 2.27 | .80 | 1.85 | .74 | 2.22 | .75 | 2.63 | .98 |
| 2460 | 10.00 | APRCH | 488 | 20.00 | .72 | .06 | 1.89 | .07 | .37 | .39 | 2.94 | .75 | 2.50 | .65 | 2.44 | .38 |
| | 10.00 | APRCH | 488 | 120. | 2.17 | .03 | 2.08 | .25 | 2.50 | .68 | 2.94 | .78 | .19 | .09 | 2.08 | .65 |
| | 10.00 | APRCH | 488 | 240. | 1.00 | .10 | 2.94 | .83 | 3.23 | .83 | 2.86 | .80 | 2.38 | .80 | .32 | .21 |
| 2460 | 10.00 | APRCH | 488 | 1440. | 1.54 | .21 | .56 | .74 | .17 | .35 | 2.33 | .77 | 2.33 | .87 | 2.27 | .80 |
| | 0.00 | AVOID | 502 | 20.00 | .21 | .55 | 1.89 | .51 | .88 | .57 | 2.63 | .53 | 1.64 | .50 | 1.92 | .91 |
| | 0.00 | AVOID | 502 | 120. | .45 | .58 | 2.27 | .58 | .59 | .56 | 1.75 | .56 | .61 | .58 | 2.50 | .59 |
| | 0.00 | AVOID | 502 | 240. | 1.69 | .55 | 1.92 | .58 | 1.56 | .54 | .63 | .58 | 2.08 | .57 | .63 | .54 |
| 2460 | 10.00 | AVOID | 502 | 20.00 | .38 | .54 | .58 | .52 | .41 | .52 | .53 | .52 | .59 | .83 | .98 | .67 |
| | 10.00 | AVOID | 502 | 120. | 1.89 | .69 | .97 | .56 | 1.92 | .53 | .91 | .52 | .57 | .73 | .92 | .53 |
| | 10.00 | AVOID | 502 | 240. | .54 | .52 | .53 | .55 | 1.79 | 1.27 | 1.33 | 1.30 | .83 | 1.59 | .50 | 1.39 |
| 2460 | 10.00 | AVOID | 502 | 1440. | .77 | .81 | 1.72 | .55 | 1.49 | .56 | 1.35 | .56 | 2.08 | .88 | 1.67 | .85 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| PND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN | | | | | | |
|---------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------|------|------|------|------|
| | 0.00 | ESCPE 508 | 120. | 3.70 | .52 | 4.76 | .55 | 5.26 | .50 | 4.76 | .51 | 4.76 | .54 | 4.00 | .83 |
| | 0.00 | ESCPE 508 | 240. | 4.55 | .59 | 4.00 | .55 | 4.00 | .53 | 4.76 | .51 | 3.33 | .52 | 3.05 | .98 |
| 2460 | 10.00 | ESCPE 508 | 20.00 | 3.85 | .52 | 4.00 | .51 | 4.00 | .87 | 4.76 | .80 | 4.35 | .85 | 4.17 | .88 |
| 2460 | 10.00 | ESCPE 508 | 120. | 3.03 | .51 | 4.00 | .89 | 3.70 | .83 | 5.00 | .95 | 4.76 | 1.00 | 4.55 | .50 |
| 2460 | 10.00 | ESCPE 508 | 240. | 4.35 | .56 | 4.17 | .53 | 4.35 | .56 | 4.35 | .53 | 4.76 | .53 | 4.76 | .51 |
| 2460 | 10.00 | ESCPE 508 | 1440. | 4.76 | .53 | 4.00 | .96 | 4.76 | .93 | 4.55 | .86 | 4.76 | .81 | 4.76 | .51 |
| | 0.00 | APRCH 498 | 20.00 | 3.33 | .53 | 3.85 | .56 | 3.23 | .55 | 3.23 | .54 | 2.86 | .52 | 2.33 | .51 |
| | 0.00 | APRCH 498 | 120. | 3.03 | .54 | 4.76 | 1.49 | 3.45 | .56 | 2.86 | .55 | 1.79 | .59 | 3.33 | .55 |
| | 0.00 | APRCH 498 | 240. | 2.50 | .54 | 2.86 | .53 | 4.17 | .56 | 3.70 | 1.56 | 2.00 | .54 | 4.76 | 1.43 |
| 2470 | 10.00 | APRCH 498 | 20.00 | 4.00 | .55 | .04 | .65 | 3.85 | .56 | 1.41 | .92 | 2.08 | .51 | .06 | .63 |
| 2470 | 10.00 | APRCH 498 | 120. | 3.57 | .95 | 2.27 | .87 | .93 | .90 | .07 | .28 | 2.38 | .08 | .03 | .03 |
| 2470 | 10.00 | APRCH 498 | 240. | .50 | .95 | .53 | .92 | 2.56 | .53 | 2.78 | .51 | 2.63 | .54 | 2.13 | .90 |
| 2470 | 10.00 | APRCH 498 | 1440. | 3.57 | .53 | 3.57 | .56 | 2.94 | .54 | 4.00 | .55 | 3.85 | .52 | 1.83 | .53 |
| | 0.00 | APRCH 499 | 20.00 | 3.57 | .69 | 3.45 | .72 | 2.44 | .08 | 2.86 | .72 | 2.94 | .83 | 2.53 | .71 |
| | 0.00 | APRCH 499 | 120. | 3.33 | .37 | 2.63 | .75 | .55 | .77 | 2.63 | .75 | 2.08 | .83 | 2.13 | .71 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|--------------|------------|-------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| | 0.00 | APRCH | 499 | 240. | 3.23 | .70 | 2.04 | .79 | 2.86 | .85 | 1.32 | .74 | 2.86 | .74 | 3.51 | .80 |
| 2470 | 10.00 | APRCH | 499 | 20.00 | 2.27 | .37 | 3.70 | .50 | 3.45 | .67 | .76 | .61 | 2.22 | .75 | 4.35 | .75 |
| 2470 | 10.00 | APRCH | 499 | 120. | 3.57 | .69 | 2.94 | .72 | 3.23 | .72 | 2.44 | .73 | 2.56 | .83 | .97 | .98 |
| 2470 | 10.00 | APRCH | 499 | 240. | 2.78 | .14 | 2.86 | .64 | 2.33 | .66 | 1.82 | .78 | 2.63 | .73 | 3.45 | .36 |
| 2470 | 10.00 | APRCH | 499 | 1440. | 1.72 | .45 | 2.78 | .67 | 2.22 | .68 | 2.63 | .69 | 2.86 | .68 | 3.57 | .74 |
| | 0.00 | AVOID | 504 | 20.00 | 2.63 | 1.64 | 2.78 | 1.96 | 2.86 | 1.75 | 2.94 | 1.69 | 3.13 | 1.79 | 2.50 | 1.64 |
| | 0.00 | AVOID | 504 | 120. | 2.94 | .57 | 2.50 | 1.59 | 2.13 | 1.79 | 1.69 | 2.00 | 2.44 | 1.82 | 2.94 | 1.96 |
| | 0.00 | AVOID | 504 | 240. | 2.63 | 1.56 | 2.63 | 1.56 | 2.22 | 1.75 | 1.85 | 2.04 | 2.22 | 1.93 | 2.22 | 1.79 |
| 2470 | 10.00 | AVOID | 504 | 20.00 | 4.35 | 1.61 | 2.63 | 1.54 | 2.50 | 2.08 | 2.86 | 1.82 | 2.86 | 1.96 | 3.45 | 1.82 |
| 2470 | 10.00 | AVOID | 504 | 120. | 2.63 | 1.49 | 2.33 | 1.56 | 3.03 | 1.72 | 2.27 | 1.67 | 2.56 | 1.75 | 2.70 | 1.96 |
| 2470 | 10.00 | AVOID | 504 | 240. | 2.70 | 1.47 | 2.33 | 1.82 | 2.56 | 1.79 | 3.85 | 1.72 | 2.08 | 1.64 | 3.33 | 1.89 |
| 2470 | 10.00 | AVOID | 504 | 0.00 | 4.76 | 1.00 | 3.85 | 1.59 | 3.70 | 1.61 | 2.50 | 1.59 | 3.23 | 1.59 | 2.94 | 1.92 |
| | 0.00 | AVOID | 480 | 20.00 | .51 | .38 | .54 | .90 | 2.56 | .79 | 2.22 | .88 | 2.44 | .50 | 2.08 | .51 |
| | 0.00 | AVOID | 480 | 120. | .56 | .38 | 1.43 | .75 | 1.49 | .77 | 1.61 | .65 | 1.85 | .53 | 2.22 | .95 |
| | 0.00 | AVOID | 480 | 240. | 1.37 | .84 | 2.22 | .70 | 1.85 | 2.08 | 2.00 | .75 | 1.61 | .53 | 2.04 | .52 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|---------------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2470 | 10.00 | AVOID | 480 | 2.44 | .72 | 2.63 | .54 | 2.78 | .97 | 2.50 | .51 | 2.86 | .54 | 1.92 | .52 |
| 2470 | 10.00 | AVOID | 480 | .53 | .38 | 2.17 | .67 | 1.56 | .96 | 1.96 | .79 | 2.86 | .86 | 2.33 | .85 |
| 2470 | 10.00 | AVOID | 480 | 1.64 | .85 | .52 | .74 | 1.82 | .39 | 1.59 | .66 | 1.69 | .97 | 1.92 | .93 |
| 2470 | 10.00 | AVOID | 480 | .54 | .35 | .51 | .34 | 1.41 | .61 | .71 | .50 | 1.61 | .91 | 1.79 | .96 |
| 2470 | 0.00 | ESCAPE | 509 | 3.57 | .53 | 5.00 | 1.47 | 4.17 | .55 | 3.85 | .51 | 4.55 | .53 | 4.55 | .58 |
| | 0.00 | ESCAPE | 509 | 4.00 | .57 | 3.85 | 1.35 | 3.57 | .54 | 3.85 | 1.32 | 4.55 | .56 | 5.00 | .56 |
| | 0.00 | ESCAPE | 509 | 2.38 | .54 | 4.17 | .56 | 5.26 | .52 | 2.86 | 1.52 | 4.35 | 1.28 | 3.23 | 1.41 |
| 2470 | 10.00 | ESCAPE | 509 | 4.17 | 1.23 | 5.00 | 1.25 | 4.00 | 1.33 | 5.56 | 1.41 | 4.00 | .54 | 4.00 | 1.59 |
| 2470 | 10.00 | ESCAPE | 509 | 4.76 | 1.43 | 5.00 | .54 | 3.85 | 1.37 | 5.00 | 1.33 | 4.76 | 1.22 | 5.26 | 1.27 |
| 2470 | 10.00 | ESCAPE | 509 | 2.94 | .57 | 4.76 | .54 | 2.22 | .57 | 4.76 | .58 | 4.00 | .57 | 4.55 | .57 |
| 2470 | 10.00 | ESCAPE | 509 | 4.00 | .51 | 4.55 | .58 | 4.35 | 1.23 | 4.55 | 1.32 | 2.27 | 1.43 | 4.55 | .53 |
| 2470 | 0.00 | ESCAPE | 487 | 5.00 | .51 | 3.57 | .98 | 4.35 | .95 | 4.55 | .53 | 4.76 | .52 | 4.00 | .98 |
| | 0.00 | ESCAPE | 487 | 3.45 | .86 | 4.17 | .54 | 4.00 | 1.00 | 4.35 | .87 | 4.55 | .95 | 4.76 | .53 |
| | 0.00 | ESCAPE | 487 | 3.45 | .54 | 4.55 | .52 | 3.85 | .54 | 4.00 | .51 | 3.70 | .87 | 4.17 | .55 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| PND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|------------|---------------|---------------------|-------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2470 | 10.00 | ESCPE 487 | 120. | 3.85 | .51 | 4.17 | .92 | 4.00 | .91 | 4.17 | .79 | 4.76 | .51 | 4.55 | .96 |
| 2470 | 10.00 | ESCPE 487 | 240. | 5.00 | .53 | 4.17 | .51 | 4.76 | .51 | 3.85 | .95 | 3.57 | .51 | 4.55 | .53 |
| 2470 | 10.00 | ESCPE 487 | 1440. | 4.17 | .92 | 4.35 | .95 | 4.35 | .76 | 4.17 | .95 | 4.00 | .87 | 1.35 | 1.33 |
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MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|--------------|------------|-------|---------|-----|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2607 | 0.00 | APRCH | 488 | 1440. | 1.59 | .03 | .38 | .38 | .12 | .47 | 2.33 | .43 | 2.63 | .64 | 2.00 | .64 |
| 2607 | 0.00 | AVOID | 502 | 20.00 | 1.67 | .93 | 2.33 | .56 | 2.50 | .53 | 1.82 | 1.32 | 2.17 | .57 | 2.63 | .55 |
| | 0.00 | AVOID | 502 | 120. | .90 | .53 | .54 | 1.00 | 2.08 | 1.39 | 2.27 | .53 | 2.63 | 1.30 | 2.04 | .51 |
| | 0.00 | AVOID | 502 | 240. | 1.82 | .57 | 2.56 | 1.67 | 2.17 | .56 | 2.94 | 1.30 | 1.96 | 1.33 | 2.50 | .56 |
| 2607 | 10.00 | AVOID | 502 | 20.00 | .15 | .04 | 1.82 | 1.41 | 1.96 | .56 | 2.22 | 1.41 | 1.72 | 1.41 | 2.63 | .56 |
| | 10.00 | AVOID | 502 | 120. | .33 | .55 | .51 | .53 | .56 | .90 | 1.69 | .90 | 2.63 | .53 | 1.69 | .52 |
| | 10.00 | AVOID | 502 | 240. | 4.76 | .71 | 1.64 | .95 | 2.04 | .51 | 1.72 | 1.00 | 2.50 | .52 | 2.08 | .88 |
| | 10.00 | AVOID | 502 | 1440. | .30 | .51 | 1.59 | .52 | 2.00 | .52 | .56 | .53 | 2.08 | .54 | 1.96 | .91 |
| 2607 | 0.00 | AVOID | 503 | 20.00 | .34 | .55 | 1.96 | .72 | 2.44 | 1.32 | 2.17 | .54 | 3.23 | .56 | 3.33 | 1.30 |
| | 0.00 | AVOID | 503 | 120. | 1.89 | .26 | 2.63 | .53 | 2.56 | 1.32 | 1.67 | 1.72 | 2.44 | 1.45 | 3.33 | 1.32 |
| | 0.00 | AVOID | 503 | 240. | 2.00 | .88 | 2.50 | .52 | 2.17 | .52 | 2.44 | 1.54 | 3.03 | 1.39 | 2.70 | 1.45 |
| 2607 | 10.00 | AVOID | 503 | 20.00 | .53 | .60 | 1.37 | 1.00 | 1.64 | .54 | 1.92 | .55 | 1.54 | .50 | 2.94 | 1.41 |
| | 10.00 | AVOID | 503 | 120. | .85 | .41 | 1.59 | .74 | .56 | .63 | 1.67 | .81 | 1.61 | .53 | 2.13 | .54 |
| | 10.00 | AVOID | 503 | 240. | 1.43 | .75 | 1.59 | .56 | 2.44 | .90 | .53 | .98 | 2.22 | .53 | 2.00 | .52 |
| | 0.00 | AVOID | 503 | 1440. | .18 | .62 | 1.79 | .64 | 2.04 | .56 | 1.85 | .56 | 1.43 | 1.33 | 2.00 | 1.37 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | |
|------------|---------------|---------------------|-------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2607 | 0.00 | ESCPE 507 | 20.00 | 1.82 | .54 | 3.45 | .55 | 4.55 | .56 | 3.70 | 1.45 | 3.45 | 1.52 |
| | 0.00 | ESCPE 507 | 120. | 5.56 | 1.72 | 4.55 | 1.72 | 4.17 | 1.39 | 5.00 | .53 | 4.76 | .52 |
| | 0.00 | ESCPE 507 | 240. | .36 | .60 | 5.00 | .52 | 5.00 | .55 | 4.17 | .55 | 4.76 | .56 |
| 2607 | 10.00 | ESCPE 507 | 20.00 | 3.23 | .54 | 4.00 | .54 | 3.85 | 1.45 | 5.00 | 1.43 | 4.35 | 1.43 |
| | 10.00 | ESCPE 507 | 120. | 4.00 | .56 | 3.85 | 1.00 | 4.35 | .51 | 4.35 | .56 | 4.00 | .86 |
| | 10.00 | ESCPE 507 | 240. | 4.00 | .93 | 2.86 | .51 | 4.00 | .93 | 4.00 | 1.00 | 4.35 | .92 |
| | 10.00 | ESCPE 507 | 1440. | 4.17 | 1.32 | 4.17 | .54 | 3.85 | .52 | 4.00 | .56 | 5.00 | .57 |
| 2607 | 0.00 | ESCPE 508 | 20.00 | 4.35 | .56 | 4.76 | .56 | 5.00 | .51 | 5.00 | .51 | 5.26 | 1.23 |
| | 0.00 | ESCPE 508 | 120. | 4.17 | 1.28 | 6.25 | 1.43 | 4.76 | 1.23 | 4.76 | 1.32 | 4.55 | .52 |
| | 0.00 | ESCPE 508 | 240. | 5.00 | 1.59 | 5.26 | 1.32 | 4.00 | 1.43 | 5.26 | 1.27 | 4.76 | .54 |
| 2607 | 10.00 | ESCPE 508 | 20.00 | 3.33 | .54 | 4.00 | .52 | 5.26 | .52 | 4.76 | .52 | 4.35 | 1.00 |
| | 10.00 | ESCPE 508 | 120. | 3.33 | 1.39 | 3.70 | .55 | 5.26 | .99 | 4.00 | .55 | 5.00 | .54 |
| | 10.00 | ESCPE 508 | 240. | 3.45 | .56 | 4.17 | 1.54 | 4.00 | .55 | 5.00 | .59 | 5.00 | 1.64 |
| | 10.00 | ESCPE 508 | 1440. | 4.00 | .56 | 5.00 | 1.45 | 5.00 | 1.33 | 5.00 | 1.37 | 4.76 | .56 |
| 2607 | 0.00 | ESCPE 508 | 20.00 | 1.82 | .47 | 4.7 | .25 | .41 | .36 | .58 | .62 | 1.82 | .38 |
| | 0.00 | ESCPE 508 | 120. | 4.17 | 1.28 | 6.25 | 1.43 | 4.76 | 1.23 | 4.76 | 1.32 | 4.55 | .52 |
| | 0.00 | ESCPE 508 | 240. | 5.00 | 1.59 | 5.26 | 1.32 | 4.00 | 1.43 | 5.26 | 1.27 | 4.76 | .54 |
| 2607 | 10.00 | ESCPE 508 | 20.00 | 3.33 | .54 | 4.00 | .52 | 5.26 | .52 | 4.76 | .52 | 4.35 | 1.00 |
| | 10.00 | ESCPE 508 | 120. | 3.33 | 1.39 | 3.70 | .55 | 5.26 | .99 | 4.00 | .55 | 5.00 | .54 |
| | 10.00 | ESCPE 508 | 240. | 3.45 | .56 | 4.17 | 1.54 | 4.00 | .55 | 5.00 | .59 | 5.00 | 1.64 |
| | 10.00 | ESCPE 508 | 1440. | 4.00 | .56 | 5.00 | 1.45 | 5.00 | 1.33 | 5.00 | 1.37 | 4.76 | .56 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|---------------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2562 | 0.00 | APRCH | 452 | 120. | 2.17 | .43 | 2.38 | .70 | .35 | .36 | .76 | .62 | .70 | .23 | .69 |
| | 0.00 | APRCH | 452 | 240. | 2.08 | .34 | .53 | .65 | .40 | .60 | .55 | .61 | .37 | .35 | 1.69 |
| 2562 | 3.20 | APRCH | 452 | 20.00 | .71 | .99 | .34 | .34 | 2.08 | .39 | .20 | .36 | .61 | .37 | 2.22 |
| | 3.20 | APRCH | 452 | 120. | 2.04 | .35 | .23 | .28 | .59 | .70 | .52 | .68 | 1.45 | .57 | .91 |
| | 3.20 | APRCH | 452 | 240. | .24 | .75 | .06 | .45 | 2.13 | .81 | .09 | .43 | .70 | .59 | 2.22 |
| | 3.20 | APRCH | 452 | 1440. | .56 | .37 | .81 | .16 | .29 | .38 | .58 | .70 | 2.00 | .69 | .55 |
| 2562 | 0.00 | APRCH | 492 | 20.00 | 2.55 | .73 | 1.67 | .78 | 1.35 | .75 | .25 | .81 | .10 | .69 | .83 |
| | 0.00 | APRCH | 492 | 120. | 2.38 | .93 | .20 | .13 | 1.61 | .85 | .61 | .87 | 1.61 | .97 | .28 |
| | 0.00 | APRCH | 492 | 240. | .13 | .41 | .36 | .74 | .40 | .76 | .68 | .81 | .60 | .85 | .69 |
| 2562 | 3.20 | APRCH | 492 | 20.00 | .56 | .74 | 1.75 | .87 | .17 | .37 | .26 | .79 | .87 | .79 | 1.61 |
| | 3.20 | APRCH | 492 | 120. | 2.63 | .52 | 1.96 | .68 | 1.79 | .85 | 1.85 | .52 | .37 | .80 | .27 |
| | 3.20 | APRCH | 492 | 240. | 2.33 | .51 | .40 | .96 | .39 | .91 | 2.08 | .51 | 1.82 | .97 | 2.08 |
| | 3.20 | APRCH | 492 | 1440. | 2.38 | .93 | 2.17 | .90 | .05 | .26 | .11 | .69 | .97 | .93 | .93 |
| 2562 | 0.00 | AVOID | 475 | 20.00 | 2.38 | .79 | 1.67 | .43 | 2.08 | .93 | 2.38 | .97 | 3.03 | .55 | 3.33 |
| | 0.00 | AVOID | 475 | 120. | 2.38 | .76 | 1.92 | .85 | 2.63 | .76 | 2.56 | .83 | 2.33 | .51 | 2.63 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN | | | | | | |
|----------|--------------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------|------|------|------|------|
| | 0.00 AVOID 475 | 240. | 2.22 | .80 | 1.79 | .54 | 2.85 | 1.33 | 2.00 | 1.30 | 3.35 | .56 | | |
| 2562 | 3.20 AVOID 475 | 20.00 | 1.72 | .72 | 2.63 | .51 | 2.44 | .79 | 2.94 | .52 | 3.03 | .51 | 2.35 | .53 |
| 2562 | 3.20 AVOID 475 | 120. | 2.44 | .85 | .58 | .75 | .39 | .53 | 2.38 | .53 | 2.70 | 1.15 | 4.00 | .54 |
| 2562 | 3.20 AVOID 475 | 240. | .53 | .85 | 2.78 | .92 | 2.63 | .91 | 1.82 | .85 | 2.22 | .54 | 2.50 | .54 |
| 2562 | 3.20 AVOID 475 | 1440. | 1.47 | .48 | 1.82 | .68 | 2.27 | .35 | 2.33 | .94 | 2.08 | .98 | 2.86 | .97 |
| | 0.00 AVOID 501 | 20.00 | .54 | 1.61 | 3.03 | 2.00 | 3.13 | 1.89 | 3.85 | 1.89 | 3.56 | 1.72 | 4.17 | 1.89 |
| | 0.00 AVOID 501 | 120. | 2.70 | 1.39 | 2.22 | 1.54 | 3.85 | 1.54 | 3.45 | 1.69 | 4.00 | 1.64 | 2.94 | 1.64 |
| | 0.00 AVOID 501 | 240. | 3.03 | 1.33 | 3.85 | 1.45 | 3.85 | 1.45 | 4.17 | 1.56 | 3.45 | 1.54 | 3.45 | 1.69 |
| 2562 | 3.20 AVOID 501 | 20.00 | 2.00 | 1.67 | 3.33 | 1.41 | 4.00 | 1.43 | 3.33 | 1.33 | 2.86 | .53 | 4.55 | 1.82 |
| 2562 | 3.20 AVOID 501 | 120. | 3.03 | 1.52 | 4.17 | 1.43 | 3.23 | 1.59 | 4.17 | 1.39 | 4.00 | 1.41 | 4.35 | 1.47 |
| 2562 | 3.20 AVOID 501 | 240. | 2.27 | 1.47 | 3.85 | 1.54 | 3.45 | 1.72 | 3.33 | 1.64 | 4.35 | 1.49 | 3.70 | 1.67 |
| 2562 | 3.20 AVOID 501 | 1440. | 2.70 | 1.64 | 3.13 | 1.54 | 3.23 | 1.43 | 4.00 | 1.52 | 4.00 | 1.59 | 3.70 | 1.56 |
| | 0.00 ESCPE 505 | 240. | 4.76 | 1.30 | 4.76 | 1.32 | 4.00 | .55 | 4.17 | .54 | 3.57 | 1.20 | 3.33 | .56 |
| | 0.00 ESCPE 505 | 20.00 | 4.17 | .56 | 4.17 | .51 | 5.26 | .55 | 4.00 | 1.32 | 2.70 | .55 | 4.00 | .51 |
| | 0.00 ESCPE 505 | 120. | 4.55 | 1.47 | 4.17 | 1.41 | 4.17 | 1.43 | 3.85 | .55 | 3.57 | 1.35 | 3.03 | 1.37 |
| 2562 | 3.20 ESCPE 505 | 20.00 | 4.55 | 1.32 | 4.55 | 1.27 | 3.85 | .55 | 3.23 | .56 | 4.35 | 1.27 | 4.17 | 1.25 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MOTIV RAT MG/KG | RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN |
|----------|----------------------|---------|------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| 2562 | 3.20 | ESCP | 505 | 120. | 3.33 | 54 | 3.85 | 1.41 | 4.00 | 1.22 | 2.63 | 1.45 | 4.55 | 3.70 | 1.32 |
| 2562 | 3.20 | ESCP | 505 | 240. | 3.85 | 1.54 | 5.00 | .57 | 3.85 | 1.28 | 4.00 | 1.23 | 3.85 | 3.70 | .53 |
| 2562 | 3.20 | ESCP | 505 | 1440. | 2.94 | .58 | 4.00 | 1.52 | 3.70 | 1.41 | 3.57 | .54 | 4.17 | 3.33 | .55 |
| 2562 | 0.00 | ESCP | 466 | 20.00 | 1.96 | .78 | 3.85 | 1.37 | 4.35 | .55 | 4.17 | .53 | 4.76 | 4.23 | .54 |
| 2562 | 0.00 | ESCP | 466 | 120. | 3.43 | 1.64 | 4.55 | .57 | 4.55 | .54 | 4.00 | 1.00 | 4.55 | 4.00 | .55 |
| 2562 | 0.00 | ESCP | 466 | 240. | 3.03 | 1.52 | 4.35 | .52 | 4.35 | .99 | 4.35 | .52 | 5.00 | 4.55 | 1.27 |
| 2562 | 3.20 | ESCP | 466 | 20.00 | 2.44 | .87 | 3.70 | .98 | 3.57 | .82 | 4.17 | .89 | 4.00 | 4.00 | .50 |
| 2562 | 3.20 | ESCP | 466 | 120. | 4.17 | 1.37 | 4.35 | 1.18 | 4.35 | 1.00 | 4.35 | .52 | 3.57 | 3.33 | .87 |
| 2562 | 3.20 | ESCP | 466 | 240. | 4.75 | 1.47 | 4.55 | 1.61 | 5.00 | .52 | 4.00 | .51 | 4.55 | 4.76 | .54 |
| 2562 | 3.20 | ESCP | 466 | 1440. | 2.83 | .54 | 3.13 | 1.35 | 4.35 | .55 | 4.35 | 1.28 | 3.85 | 4.35 | .55 |
| CONTROL | 0.00 | APRCH | 498 | 0.00 | 3.23 | 1.00 | 2.94 | .56 | 2.78 | .99 | 3.03 | .56 | 3.23 | .09 | .67 |
| 2562 | 1.00 | APRCH | 498 | 20.00 | 1.47 | .36 | 1.96 | .35 | 1.56 | .39 | 1.41 | .45 | 2.44 | 2.22 | .39 |
| 2562 | 1.00 | APRCH | 498 | 120. | 3.45 | .95 | 4.00 | .53 | 2.08 | .54 | 3.33 | .53 | 3.03 | 4.00 | 1.28 |
| 2562 | 1.00 | APRCH | 498 | 240. | 4.00 | .54 | 2.44 | .54 | 3.33 | .55 | 3.03 | 1.28 | 3.03 | 1.82 | .55 |
| 2562 | 1.00 | APRCH | 498 | 1440. | .03 | .67 | 3.03 | .57 | .13 | .51 | 2.78 | 1.89 | 2.85 | 3.45 | 1.28 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| GRND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 6 RUN | | | | | | |
|----------|------------|---------------|-------|---------------|-------------|---------------|-------------|---------------|-------------|------|-----|------|-----|------|-----|
| CONTROL | 0.00 | APRCH 499 | 0.00 | 2.38 | .82 | .23 | .29 | 1.92 | .83 | .57 | .77 | .97 | .75 | 2.22 | .59 |
| | 1.00 | APRCH 499 | 20.00 | 2.44 | .49 | 1.85 | .37 | 2.56 | .68 | 3.23 | .67 | 3.13 | .57 | 3.53 | .75 |
| | 1.00 | APRCH 499 | 120. | 2.53 | .21 | 2.86 | .69 | 2.44 | .71 | 2.94 | .84 | .04 | .37 | 3.23 | .72 |
| | 1.00 | APRCH 499 | 240. | 3.43 | .70 | .32 | .44 | 1.64 | .77 | 2.33 | .80 | 1.67 | .83 | 2.22 | .34 |
| | 1.00 | APRCH 499 | 1440. | 2.73 | .68 | 2.63 | .78 | 1.92 | .81 | 2.86 | .81 | 2.53 | .78 | 2.85 | .71 |

| | | | | | | | | | | | | | | | |
|---------|------|-----------|------|------|-----|------|------|------|------|------|------|------|------|------|------|
| CONTROL | 0.00 | AVOID 504 | 0.00 | 2.33 | .57 | 2.70 | 1.52 | 2.08 | 1.79 | 3.03 | 1.54 | 2.33 | 1.61 | 3.13 | 1.75 |
|---------|------|-----------|------|------|-----|------|------|------|------|------|------|------|------|------|------|

| | | | | | | | | | | | | | | | |
|---------|------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| CONTROL | 1.00 | AVOID 504 | 20.00 | 2.33 | .67 | 1.79 | .51 | 3.23 | 1.37 | 3.13 | 1.41 | 2.63 | 1.41 | 2.44 | 1.41 |
| | 1.00 | AVOID 504 | 120. | 2.94 | .68 | 2.38 | 1.52 | 3.70 | 1.75 | 3.13 | 1.52 | 2.86 | 1.72 | 1.96 | 2.22 |
| | 1.00 | AVOID 504 | 240. | 2.56 | .54 | 2.33 | 1.69 | 2.86 | 1.52 | 2.38 | 1.72 | 3.33 | 1.39 | 2.86 | 1.89 |
| | 1.00 | AVOID 504 | 1440. | 1.69 | 1.47 | 1.85 | 2.04 | 2.22 | 1.75 | 2.22 | 1.72 | 2.50 | 1.67 | 3.23 | 1.64 |

| | | | | | | | | | | | | | | | |
|---------|------|-----------|------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| CONTROL | 0.00 | AVOID 480 | 0.00 | 2.27 | .93 | 2.04 | .77 | 2.33 | .52 | 2.44 | .77 | 2.70 | .51 | 3.33 | .95 |
|---------|------|-----------|------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| EXPND
NO. | DOSE MOTIV
MG/KG | RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL
START | TRIAL
END | |
|--------------|---------------------|------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|----------------|--------------|-----|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | | | |
| CONTROL | 1.00 | AVOID | 480 | 120. | 2.00 | .45 | 2.22 | .34 | 2.00 | .64 | 2.13 | .36 | 2.22 | .04 | 2.33 | .83 |
| | 1.00 | AVOID | 480 | 240. | 1.82 | .74 | 1.82 | .75 | 2.56 | .74 | 2.50 | .65 | 2.70 | .83 | 2.00 | .99 |
| | 1.00 | AVOID | 480 | 1440. | 1.75 | .73 | .59 | .90 | 2.70 | .78 | 2.22 | 2.08 | 2.85 | .97 | 1.64 | .30 |
| CONTROL | 0.00 | ESCAPE | 509 | 0.00 | 2.13 | .53 | 3.57 | .55 | 4.55 | .52 | 4.17 | .56 | 4.76 | .55 | 3.85 | .54 |
| | 1.00 | ESCAPE | 509 | 20.00 | .83 | .88 | .58 | .51 | 1.67 | .85 | .83 | .54 | 1.56 | .54 | 2.44 | .98 |
| | 1.00 | ESCAPE | 509 | 120. | 2.78 | .74 | 3.45 | .73 | 3.57 | .86 | 4.35 | .88 | 3.45 | .99 | 4.17 | .91 |
| | 1.00 | ESCAPE | 509 | 240. | 2.70 | .75 | 3.33 | .87 | 3.33 | .93 | 3.70 | .83 | 3.85 | .83 | 4.00 | .89 |
| CONTROL | 1.00 | ESCAPE | 509 | 1440. | 4.35 | .94 | 4.17 | .92 | 5.00 | .55 | 5.00 | .54 | 2.44 | .54 | 5.26 | .52 |
| | 0.00 | ESCAPE | 487 | 0.00 | 3.13 | .52 | 3.70 | .52 | 4.55 | .53 | 4.76 | .89 | 5.00 | .93 | 5.00 | .51 |
| | 1.00 | ESCAPE | 487 | 20.00 | 3.45 | .83 | 3.45 | .80 | 4.35 | .84 | 3.85 | .74 | 4.00 | .71 | 2.86 | .69 |
| | 1.00 | ESCAPE | 487 | 120. | 4.00 | .70 | 3.03 | .83 | 2.70 | .82 | 3.85 | .74 | 3.85 | .75 | 2.94 | .70 |
| CONTROL | 1.00 | ESCAPE | 487 | 240. | 2.86 | .35 | 2.70 | .63 | 2.78 | .77 | 6.67 | .65 | 4.17 | .73 | .78 | .27 |
| | 1.00 | ESCAPE | 487 | 1440. | 3.13 | .71 | 4.00 | .72 | 3.45 | .98 | 2.86 | .78 | 3.57 | .91 | 4.00 | .85 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPIID NO. | DOSE MS/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|-----------|------------|---------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| | 0.00 | APRCH 499 | 120. | 2.70 | .88 | 2.50 | .93 | 2.50 | .93 | 3.03 | .87 | 3.57 | .94 | 3.53 | .88 |
| | 0.00 | APRCH 499 | 240. | .14 | .33 | .95 | .58 | 2.22 | .89 | 3.03 | .83 | 3.53 | .83 | 3.75 | .89 |
| 2372 | 10.00 | APRCH 499 | 20.00 | 2.36 | .61 | 1.04 | .14 | 2.17 | .63 | 1.72 | .66 | 1.85 | .63 | 3.33 | .61 |
| 2372 | 10.00 | APRCH 499 | 120. | 1.47 | .15 | .13 | .50 | 1.64 | .36 | .99 | .05 | 1.63 | .72 | 2.44 | .73 |
| 2372 | 10.00 | APRCH 499 | 240. | 3.57 | .72 | 3.13 | .86 | 2.86 | .74 | 3.57 | .83 | 4.17 | .83 | 1.55 | .15 |
| 2372 | 10.00 | APRCH 499 | 1440. | 3.13 | .55 | 4.17 | .62 | 2.06 | .77 | .38 | .63 | 3.23 | .73 | 3.13 | .79 |
| | 0.00 | APRCH 498 | 20.00 | .03 | .03 | 1.64 | .95 | 3.57 | 1.16 | 3.23 | 1.08 | .43 | .81 | 4.00 | 1.18 |
| | 0.00 | APRCH 498 | 120. | 3.57 | 1.14 | 2.00 | 1.09 | 4.17 | 1.23 | 3.33 | 1.10 | 1.85 | 1.12 | 3.85 | 1.22 |
| | 0.00 | APRCH 498 | 240. | 4.55 | 1.27 | 3.13 | 1.09 | 3.03 | 1.11 | 1.56 | 1.28 | 1.79 | 1.18 | 4.17 | 1.19 |
| 2372 | 10.00 | APRCH 498 | 20.00 | .53 | .71 | .50 | .52 | 3.33 | .51 | .34 | 1.00 | .89 | .94 | .14 | .91 |
| 2372 | 10.00 | APRCH 498 | 120. | 3.45 | .52 | 2.94 | .54 | 1.35 | 1.23 | 2.44 | .53 | 2.08 | 1.33 | 2.09 | 1.22 |
| 2372 | 10.00 | APRCH 498 | 240. | 2.44 | 1.12 | 1.54 | 1.11 | 3.03 | 1.18 | 4.00 | 1.35 | 5.26 | 1.05 | 3.13 | 1.28 |
| 2372 | 10.00 | APRCH 498 | 1440. | 2.94 | 1.20 | 3.57 | 1.12 | 1.52 | 1.14 | 3.33 | 1.10 | .25 | .82 | 3.03 | 1.12 |
| | 0.00 | AVOID 504 | 20.00 | 3.03 | 1.54 | 3.45 | 1.72 | 3.23 | 1.82 | 4.17 | 1.79 | 4.35 | 1.79 | 3.85 | 1.79 |
| | 0.00 | AVOID 504 | 120. | 4.00 | 1.69 | 3.33 | 1.69 | 3.85 | 1.67 | 4.00 | 1.67 | 3.70 | 1.54 | 3.03 | 1.54 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | RAT
NO. | TIME | TRIAL
START | TRIAL
RUN | TRIAL
START | TRIAL
RUN | TRIAL
START | TRIAL
RUN | TRIAL
START | TRIAL
RUN | TRIAL
START | TRIAL
RUN | TRIAL
START | TRIAL
RUN |
|-------------|---------------|--------------|------------|-------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | 0.00 | AVOID | 504 | 240. | 3.57 | 1.54 | 4.00 | 1.59 | 3.70 | 1.54 | 3.45 | 1.67 | 3.70 | 1.82 | 3.45 | 1.79 |
| 2372 | 10.00 | AVOID | 504 | 20.00 | 2.33 | 1.19 | 3.33 | 1.54 | 2.78 | 1.47 | 2.70 | 1.43 | 2.33 | 1.45 | 2.50 | 1.64 |
| 2372 | 10.00 | AVOID | 504 | 120. | 3.23 | 1.52 | 1.82 | 1.82 | 1.69 | 2.50 | 2.50 | 1.82 | 2.08 | 2.13 | 2.50 | 1.75 |
| 2372 | 10.00 | AVOID | 504 | 240. | 3.03 | 1.43 | 3.70 | 1.82 | 3.23 | 1.89 | 3.85 | 1.92 | 3.33 | 1.85 | 2.86 | 2.17 |
| 2372 | 10.00 | AVOID | 504 | 1440. | 2.78 | 1.49 | 3.45 | 1.69 | 3.57 | 1.79 | 3.45 | 1.67 | 3.85 | 1.85 | 3.85 | 1.69 |
| | 0.00 | AVOID | 480 | 20.00 | 3.33 | .95 | 2.33 | .87 | 4.35 | 1.04 | 2.94 | .90 | 3.85 | 1.04 | 3.45 | 1.10 |
| | 0.00 | AVOID | 480 | 120. | 2.17 | .82 | 3.57 | 1.09 | 2.78 | .76 | 2.00 | .63 | 2.27 | .98 | 2.53 | .85 |
| | 0.00 | AVOID | 480 | 240. | 1.96 | .66 | 2.94 | .97 | 2.50 | .82 | 3.33 | .79 | 2.78 | .93 | 3.33 | .87 |
| 2372 | 10.00 | AVOID | 480 | 20.00 | .54 | .67 | 1.00 | .83 | 1.61 | .77 | 2.63 | .83 | 1.82 | .89 | .57 | .93 |
| 2372 | 10.00 | AVOID | 480 | 120. | 1.47 | .63 | .52 | .62 | .52 | .63 | 2.17 | .67 | .52 | .51 | .83 | .64 |
| 2372 | 10.00 | AVOID | 480 | 240. | 1.22 | .64 | 1.92 | .65 | 1.56 | .72 | 1.96 | .63 | 2.17 | .79 | 2.22 | .83 |
| 2372 | 10.00 | AVOID | 480 | 1440. | .31 | .65 | 2.44 | .65 | 2.04 | .62 | 1.56 | .77 | 2.63 | .78 | 1.85 | .83 |
| | 0.00 | ESCP | 487 | 20.00 | 5.88 | 1.30 | 6.67 | 1.09 | 6.67 | 1.10 | 6.67 | 1.32 | 6.25 | 1.25 | 6.67 | 1.25 |
| | 0.00 | ESCP | 487 | 120. | 6.67 | 1.00 | 5.56 | .93 | 7.14 | 1.15 | 5.56 | 1.09 | 5.88 | .98 | 6.67 | 1.18 |
| | 0.00 | ESCP | 487 | 240. | 4.55 | 1.20 | 6.67 | 1.18 | 6.67 | 1.09 | 4.55 | 1.28 | 6.25 | 1.20 | 4.75 | 1.52 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | RAT
NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|-------------|---------------|--------------|------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 2372 | 10.00 | ESCPE | 487 | 20.00 | 3.03 | .86 | 3.45 | .74 | 2.78 | .85 | 3.85 | .81 | 4.17 | .93 | 3.70 | 1.23 |
| 2372 | 10.00 | ESCPE | 487 | 120. | 3.70 | .86 | 3.33 | .85 | 4.00 | .86 | 3.33 | .88 | 3.23 | .83 | 4.35 | .90 |
| 2372 | 10.00 | ESCPE | 487 | 240. | 5.56 | .88 | 6.67 | 1.19 | 6.25 | 1.11 | 6.67 | 1.15 | 4.76 | 1.45 | 5.88 | 1.25 |
| 2372 | 10.00 | ESCPE | 487 | 1440. | 6.67 | 1.01 | 6.25 | 1.32 | 6.67 | 1.10 | 4.17 | 1.49 | 6.25 | 1.19 | 5.00 | 1.32 |
| 2372 | 0.00 | ESCPE | 509 | 20.00 | 4.35 | 1.64 | .94 | 1.49 | 5.88 | 1.64 | 1.92 | 1.82 | 1.49 | 2.08 | 2.04 | 1.43 |
| 2372 | 0.00 | ESCPE | 509 | 120. | 4.00 | 1.45 | 2.94 | 1.32 | 4.17 | 1.32 | 4.17 | 1.20 | 3.13 | 1.10 | 2.55 | 1.15 |
| 2372 | 0.00 | ESCPE | 509 | 240. | 3.23 | 1.47 | 3.45 | 1.33 | 5.00 | 1.23 | 3.45 | 1.25 | 3.13 | 1.15 | 5.25 | 1.27 |
| 2372 | 10.00 | ESCPE | 509 | 20.00 | 2.86 | .87 | 2.94 | .52 | 3.70 | .52 | 3.45 | 1.25 | 3.33 | .52 | 3.85 | 1.27 |
| 2372 | 10.00 | ESCPE | 509 | 120. | 2.94 | .54 | 3.45 | .52 | 1.89 | .53 | 3.85 | .54 | 3.45 | .55 | 3.13 | .52 |
| 2372 | 10.00 | ESCPE | 509 | 240. | 2.50 | 1.27 | 5.56 | 1.43 | 5.00 | 1.10 | 4.76 | 1.32 | 3.85 | 1.05 | 5.00 | 1.37 |
| 2372 | 10.00 | ESCPE | 509 | 1440. | 2.27 | 1.14 | 2.44 | 1.27 | 4.17 | 1.19 | 2.70 | 1.30 | 4.00 | 1.45 | 4.17 | 1.43 |
| 2372 | 0.00 | APRCH | 497 | 20.00 | .12 | .25 | 1.67 | .79 | .54 | .62 | .16 | .49 | 1.28 | .74 | .16 | .17 |
| 2372 | 0.00 | APRCH | 497 | 240. | 1.85 | .87 | 1.82 | .89 | 1.92 | .81 | .36 | .79 | 1.79 | .83 | .72 | .75 |
| 2372 | 3.20 | APRCH | 497 | 20.00 | .13 | .66 | .39 | .71 | 1.35 | .03 | .50 | .78 | .57 | .31 | .07 | .74 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| PND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|------------|---------------|---------------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2636 | 3.20 | APRCH | 497 | 120. | 1.54 | .63 | 1.96 | 1.00 | .03 | .28 | 1.33 | .81 | 1.41 | .84 | .27 |
| 2636 | 3.20 | APRCH | 497 | 240. | .73 | .81 | 1.67 | .79 | 1.61 | .89 | .55 | .89 | .85 | .89 | 1.75 |
| 2636 | 3.20 | APRCH | 497 | 1440. | .92 | .82 | 1.47 | .80 | 1.79 | .50 | 1.54 | .93 | 1.79 | .98 | 1.56 |
| 2636 | 0.00 | APRCH | 496 | 20.00 | 2.33 | .59 | .07 | .72 | 2.44 | .89 | 2.33 | .51 | .57 | .66 | 2.17 |
| 2636 | 0.00 | APRCH | 496 | 240. | 1.96 | .34 | 2.17 | .52 | 2.08 | .91 | 1.54 | .92 | 2.50 | .95 | 2.22 |
| 2636 | 3.20 | APRCH | 496 | 20.00 | 2.08 | .69 | 2.27 | .51 | 2.17 | .97 | 2.04 | .93 | .04 | .74 | 1.92 |
| 2636 | 3.20 | APRCH | 496 | 120. | 2.22 | .64 | 1.82 | .91 | 1.92 | .89 | 2.38 | .78 | 1.67 | .87 | 2.53 |
| 2636 | 3.20 | APRCH | 496 | 240. | 1.96 | .92 | .54 | .87 | 1.61 | .43 | 1.79 | .52 | 1.79 | .93 | 1.75 |
| 2636 | 3.20 | APRCH | 496 | 1440. | 2.17 | .79 | 2.27 | .83 | 2.33 | .51 | 2.22 | .52 | .21 | .73 | 1.89 |
| 2636 | 0.00 | AVOID | 475 | 20.00 | 1.67 | .35 | 2.08 | .85 | 1.69 | .76 | 1.43 | .93 | 1.56 | .55 | 2.33 |
| 2636 | 0.00 | AVOID | 475 | 240. | 1.59 | .40 | 1.52 | .75 | 2.50 | .50 | 1.39 | .81 | .57 | .56 | 1.85 |
| 2636 | 3.20 | AVOID | 475 | 20.00 | 2.86 | .96 | 2.86 | 1.00 | 2.04 | .54 | 2.50 | 1.64 | 2.17 | 1.32 | 3.33 |
| 2636 | 3.20 | AVOID | 475 | 120. | 2.04 | .95 | 1.82 | .95 | 2.56 | .54 | 2.22 | .52 | 2.04 | 1.23 | 2.96 |
| 2636 | 3.20 | AVOID | 475 | 240. | 2.27 | .77 | 1.67 | .74 | 1.56 | .94 | 2.22 | .51 | 2.00 | 1.22 | 2.22 |
| 2636 | 3.20 | AVOID | 475 | 1440. | 2.50 | .45 | 1.92 | .67 | 2.22 | .78 | 1.54 | 1.00 | 2.17 | .98 | 1.54 |
| 2636 | 0.00 | AVOID | 475 | 20.00 | 1.67 | .35 | 2.08 | .85 | 1.69 | .76 | 1.43 | .93 | 1.56 | .55 | 2.33 |
| 2636 | 0.00 | AVOID | 475 | 240. | 1.59 | .40 | 1.52 | .75 | 2.50 | .50 | 1.39 | .81 | .57 | .56 | 1.85 |
| 2636 | 3.20 | AVOID | 475 | 20.00 | 2.86 | .96 | 2.86 | 1.00 | 2.04 | .54 | 2.50 | 1.64 | 2.17 | 1.32 | 3.33 |
| 2636 | 3.20 | AVOID | 475 | 120. | 2.04 | .95 | 1.82 | .95 | 2.56 | .54 | 2.22 | .52 | 2.04 | 1.23 | 2.96 |
| 2636 | 3.20 | AVOID | 475 | 240. | 2.27 | .77 | 1.67 | .74 | 1.56 | .94 | 2.22 | .51 | 2.00 | 1.22 | 2.22 |
| 2636 | 3.20 | AVOID | 475 | 1440. | 2.50 | .45 | 1.92 | .67 | 2.22 | .78 | 1.54 | 1.00 | 2.17 | .98 | 1.54 |

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | RAT
NO. | TIME | TRIAL
START | TRIAL
1
RUN | TRIAL
2
START | TRIAL
2
RUN | TRIAL
3
START | TRIAL
3
RUN | TRIAL
4
START | TRIAL
4
RUN | TRIAL
5
START | TRIAL
5
RUN | TRIAL
6
START | TRIAL
6
RUN |
|-------------|---------------|--------------|------------|-------|----------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| 2636 | 0.00 | AVOID | 501 | 20.00 | 3.33 | 1.33 | 3.70 | 1.41 | 3.45 | 1.25 | 2.86 | 1.35 | 3.33 | 1.49 | 4.55 | 1.39 |
| 2636 | 0.00 | AVOID | 501 | 240. | 2.50 | .52 | 3.57 | .51 | 3.03 | .92 | 2.17 | 1.39 | 2.56 | 1.27 | 3.23 | 1.54 |
| 2636 | 3.20 | AVOID | 501 | 20.00 | 3.33 | 1.67 | 2.56 | .53 | 3.13 | 1.45 | .83 | .99 | 2.70 | 1.67 | 1.67 | 1.89 |
| 2636 | 3.20 | AVOID | 501 | 120. | 2.85 | 1.82 | .38 | 1.61 | 2.13 | 1.37 | 2.13 | 1.52 | 4.00 | .55 | 3.33 | 1.96 |
| 2636 | 3.20 | AVOID | 501 | 240. | 1.67 | 1.64 | 2.78 | 1.30 | 1.43 | 1.64 | 2.63 | 1.79 | 1.85 | 1.56 | 2.78 | 1.43 |
| 2636 | 3.20 | AVOID | 501 | 1440. | 2.04 | 1.45 | 1.92 | 1.28 | 3.13 | 1.52 | 2.38 | 1.30 | 1.30 | 1.61 | 2.50 | 1.49 |
| 2636 | 0.00 | ESCP | 505 | 20.00 | 4.00 | 1.19 | 3.33 | .95 | 3.23 | .95 | 4.55 | .51 | 5.00 | .92 | 4.17 | 1.25 |
| 2636 | 0.00 | ESCP | 505 | 240. | 3.03 | 1.49 | 3.45 | .51 | 3.13 | 1.00 | 3.33 | .53 | 2.94 | .55 | 3.85 | .52 |
| 2636 | 3.20 | ESCP | 505 | 20.00 | 2.86 | 1.54 | 4.00 | .55 | 2.78 | 1.30 | 3.57 | .53 | 2.86 | 1.30 | 3.23 | .54 |
| 2636 | 3.20 | ESCP | 505 | 120. | 3.85 | .54 | 3.33 | 1.33 | 3.03 | 1.41 | 3.33 | .99 | 4.00 | .54 | 3.45 | .55 |
| 2636 | 3.20 | ESCP | 505 | 240. | 2.22 | .52 | 3.45 | .56 | 2.86 | .55 | 3.85 | .92 | 3.23 | .51 | 4.00 | .54 |
| 2636 | 3.20 | ESCP | 505 | 1440. | 3.33 | .63 | 2.94 | .52 | 3.85 | .54 | 2.50 | .54 | 3.33 | .83 | 3.33 | .76 |
| 2636 | 0.00 | ESCP | 468 | 20.00 | 4.55 | .96 | 3.85 | .97 | 3.85 | 1.00 | 5.26 | .91 | 4.35 | .88 | 4.00 | .51 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE MOTIV
MG/KG | RAT
NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|-------------|---------------------|------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 2649 | 1.00 | AVOID 503 | 120. | 1.35 | .67 | 1.52 | 1.00 | 1.59 | .91 | 2.17 | .53 | 1.75 | .54 | 2.22 | .53 |
| 2649 | 1.00 | AVOID 503 | 240. | 1.89 | .41 | 2.86 | .95 | 3.33 | .88 | 2.56 | 1.09 | 2.78 | 1.19 | 3.13 | 1.33 |
| 2649 | 1.00 | AVOID 503 | 1440. | 1.28 | .48 | 1.92 | .78 | 2.22 | .93 | 1.43 | .90 | 1.67 | 1.64 | 2.38 | 1.25 |
| 2649 | 0.00 | ESCPE 507 | 20.00 | 3.57 | .51 | 3.23 | 1.00 | 3.33 | .54 | 3.70 | .52 | 3.70 | 1.18 | 4.55 | .91 |
| 2649 | 0.00 | ESCPE 507 | 120. | 3.13 | .87 | 4.17 | .74 | 4.76 | .95 | 4.00 | 1.32 | 3.70 | .94 | 3.57 | .53 |
| 2649 | 0.00 | ESCPE 507 | 240. | 4.76 | 1.23 | 4.55 | .88 | 4.17 | 1.14 | 5.00 | .98 | 4.76 | 1.14 | 4.17 | .81 |
| 2649 | 1.00 | ESCPE 507 | 20.00 | 3.33 | .51 | 3.57 | .51 | 4.00 | .53 | 3.70 | .98 | 4.00 | .51 | 3.45 | .53 |
| 2649 | 1.00 | ESCPE 507 | 120. | 2.78 | 1.32 | 3.45 | 1.00 | 3.57 | .52 | 4.55 | .50 | 3.85 | .56 | 3.85 | .98 |
| 2649 | 1.00 | ESCPE 507 | 240. | 4.00 | .99 | 5.26 | .95 | 6.25 | 1.37 | 5.00 | 1.10 | 5.26 | .74 | 5.56 | 1.28 |
| 2649 | 1.00 | ESCPE 507 | 1440. | 6.25 | 1.39 | 6.25 | 1.49 | 6.25 | 1.45 | 6.67 | 1.39 | 6.25 | 1.30 | 6.25 | 1.67 |
| 2649 | 0.00 | ESCPE 508 | 20.00 | 3.33 | 1.39 | 4.35 | 1.37 | 4.55 | .54 | 4.76 | .55 | 4.76 | .55 | 4.35 | 1.32 |
| 2649 | 0.00 | ESCPE 508 | 120. | 5.00 | 1.54 | 4.55 | 1.32 | 4.55 | 1.41 | 5.26 | 1.52 | 4.00 | .52 | 4.00 | 1.33 |
| 2649 | 0.00 | ESCPE 508 | 240. | 5.56 | 1.67 | 5.00 | 1.52 | 5.88 | 1.56 | 6.67 | 1.54 | 6.67 | 1.41 | 5.26 | 1.25 |
| 2649 | 1.00 | ESCPE 508 | 20. | 3.57 | .56 | 5.00 | 1.28 | 4.00 | .56 | 4.76 | .52 | 4.00 | 1.30 | 4.55 | 1.37 |
| 2649 | 1.00 | ESCPE 508 | 120. | 3.03 | 1.67 | 5.00 | 1.33 | 4.17 | .53 | 5.00 | .52 | 4.35 | 1.32 | 4.35 | 1.28 |
| 2649 | 1.00 | ESCPE 508 | 240. | 5.00 | 1.41 | 6.67 | 1.41 | 6.67 | 1.49 | 6.67 | 1.18 | 5.56 | 1.39 | M-D | M-D |
| 2649 | 1.00 | ESCPE 508 | 1440. | 4.76 | 1.16 | 5.26 | 1.25 | 5.88 | 1.27 | 7.14 | 1.16 | 6.25 | 1.11 | 5.00 | 1.39 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 2
START | TRIAL 3
START | TRIAL 4
START | TRIAL 5
START | TRIAL 6
START |
|----------|------------|---------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|
| 2649 | 1.00 | APRCH 498 | 20.00 | 3.13 | 3.85 | 53 | 2.86 | 53 | 2.44 |
| 2649 | 1.00 | APRCH 498 | 120. | 2.50 | 3.13 | 1.47 | 3.33 | 53 | 1.82 |
| 2649 | 1.00 | APRCH 498 | 240. | 2.50 | .61 | 1.22 | 5.00 | 1.27 | 4.76 |
| 2649 | 1.00 | APRCH 498 | 1440. | 5.00 | 4.00 | 1.15 | 4.76 | 1.05 | 1.92 |
| 2649 | 0.00 | AVOID 502 | 20.00 | 1.33 | 1.69 | 54 | 2.08 | 1.27 | 2.04 |
| 2649 | 0.00 | AVOID 502 | 120. | 1.64 | 2.00 | 56 | 2.44 | 54 | 1.52 |
| 2649 | 0.00 | AVOID 502 | 240. | 1.64 | 2.33 | 52 | 1.72 | 52 | 1.39 |
| 2649 | 1.00 | AVOID 502 | 20.00 | 54 | 2.13 | 57 | 2.13 | 1.52 | 2.08 |
| 2649 | 1.00 | AVOID 502 | 120. | 2.44 | 2.50 | 1.41 | 2.63 | 1.61 | 2.50 |
| 2649 | 1.00 | AVOID 502 | 240. | 1.20 | 3.13 | 1.72 | 2.70 | 1.52 | 1.96 |
| 2649 | 1.00 | AVOID 502 | 1440. | .60 | 2.56 | 1.23 | 2.86 | 1.54 | 2.22 |
| 2649 | 0.00 | AVOID 503 | 20.00 | 2.08 | 1.27 | 1.79 | 2.50 | 1.61 | 2.27 |
| 2649 | 0.00 | AVOID 503 | 120. | 1.96 | 1.56 | 52 | 2.00 | 1.30 | 1.89 |
| 2649 | 0.00 | AVOID 503 | 240. | 1.61 | 1.82 | .90 | 1.61 | .53 | 2.50 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN | | | | | | |
|----------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------|------|------|------|------|
| | 0.00 | APRCH 492 | 120. | 2.22 | .79 | 1.43 | .95 | .50 | .98 | .37 | .34 | 1.47 | .97 | 1.89 | .97 |
| | 0.00 | APRCH 492 | 240. | 1.82 | .97 | 2.08 | .51 | 1.92 | .98 | 2.13 | .92 | 2.22 | .96 | .53 | .83 |
| 5143 | 1.00 | APRCH 492 | 20.00 | 1.56 | .33 | 1.25 | .83 | .85 | .85 | 1.82 | .92 | 1.54 | .93 | .79 | .85 |
| 5143 | 1.00 | APRCH 492 | 120. | 1.92 | .92 | .10 | .81 | .35 | .88 | .40 | .83 | .53 | .91 | 2.00 | .92 |
| 5143 | 1.00 | APRCH 492 | 240. | 2.33 | .83 | 2.94 | 1.02 | 2.56 | .96 | 2.38 | 1.02 | 1.09 | 1.03 | 1.23 | .95 |
| 5143 | 1.00 | APRCH 492 | 1440. | 2.08 | .70 | .33 | .69 | .93 | .93 | .89 | 1.00 | 1.14 | .84 | 1.09 | .91 |
| | 0.00 | APRCH 499 | 120. | 1.82 | .82 | 2.38 | .83 | .20 | .72 | 2.50 | .96 | 2.04 | .96 | 1.92 | .36 |
| | 0.00 | APRCH 499 | 240. | 2.33 | .73 | 2.27 | .84 | .87 | .84 | 2.86 | .76 | .44 | .60 | 2.33 | .90 |
| 5143 | 1.00 | APRCH 499 | 20.00 | 1.75 | .34 | 3.23 | .83 | 2.56 | .71 | 2.70 | .71 | 2.44 | .58 | 1.67 | .71 |
| 5143 | 1.00 | APRCH 499 | 120. | 3.03 | .70 | 2.50 | .89 | 2.33 | .70 | 2.27 | .79 | 2.13 | .80 | 2.50 | .78 |
| 5143 | 1.00 | APRCH 499 | 240. | 2.56 | .61 | .13 | .77 | .37 | .80 | .65 | .79 | 1.92 | .63 | 2.63 | .73 |
| 5143 | 1.00 | APRCH 499 | 1440. | 2.63 | .62 | .65 | .75 | 2.44 | .80 | .42 | .72 | .99 | .63 | 3.03 | .75 |
| | 0.00 | AVOID 504 | 20.00 | 2.13 | 1.82 | 2.27 | 2.50 | 2.33 | 2.08 | 2.86 | 2.04 | 2.78 | 2.22 | 2.94 | 2.04 |
| | 0.00 | AVOID 504 | 120. | 1.64 | 2.78 | 2.13 | 2.27 | 1.45 | 3.23 | .55 | 2.50 | 1.25 | 2.17 | 1.67 | 2.33 |
| | 0.00 | AVOID 504 | 240. | 2.22 | 2.33 | 2.17 | 2.38 | 1.82 | 2.44 | 2.22 | 2.63 | 1.92 | 2.56 | 2.00 | 2.38 |
| 5143 | 1.00 | AVOID 504 | 20.00 | 2.38 | 1.95 | 2.44 | 1.92 | 2.22 | 1.89 | 2.33 | 1.89 | 2.22 | 2.04 | 2.38 | 2.13 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|-------------|---------------|---------------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 5143 | 1.00 | AVOID 504 | 120. | 2.13 | 1.75 | 1.64 | 2.22 | 1.89 | 1.82 | 2.50 | 1.96 | 2.22 | 2.33 | 1.82 | 2.44 |
| 5143 | 1.00 | AVOID 504 | 240. | .73 | 2.04 | 3.23 | 2.50 | 3.03 | 2.63 | 2.22 | 3.13 | 1.79 | 1.96 | 1.16 | 2.63 |
| 5143 | 1.00 | AVOID 504 | 1440. | 1.67 | 1.59 | 2.86 | 1.69 | 2.50 | 1.89 | 2.70 | 1.96 | 3.57 | 2.08 | 1.49 | 2.44 |
| 5143 | 0.00 | AVOID 480 | 20.00 | 1.75 | .92 | 1.85 | .89 | 2.04 | .99 | 2.86 | .51 | 2.27 | .52 | 2.33 | .51 |
| 5143 | 0.00 | AVOID 480 | 120. | 1.92 | .91 | 1.79 | .83 | 1.82 | .82 | 1.85 | .79 | 1.82 | .95 | 2.04 | .94 |
| 5143 | 0.00 | AVOID 480 | 240. | 1.67 | .90 | 2.17 | .90 | 1.85 | .83 | 2.08 | .94 | 1.41 | .53 | 2.33 | .51 |
| 5143 | 1.00 | AVOID 480 | 20.00 | 1.45 | .63 | 1.82 | .72 | 1.85 | .95 | 1.96 | .98 | 1.61 | .53 | 1.69 | .51 |
| 5143 | 1.00 | AVOID 480 | 120. | 1.67 | .69 | 1.96 | .71 | 1.47 | 1.72 | 1.67 | .63 | 2.17 | .64 | 1.45 | 1.00 |
| 5143 | 1.00 | AVOID 480 | 240. | 1.75 | .81 | 2.70 | .87 | 2.08 | .96 | 1.79 | .93 | .79 | 1.47 | 3.85 | 1.30 |
| 5143 | 1.00 | AVOID 480 | 1440. | .76 | .65 | .93 | 2.22 | 1.41 | 1.09 | 1.45 | .89 | .85 | 1.67 | 1.32 | 1.09 |
| 5143 | 0.00 | ESCPE 509 | 20.00 | 3.45 | 1.43 | 4.00 | 1.43 | 3.23 | 1.25 | 2.44 | 1.56 | 5.00 | 1.33 | 3.33 | 1.43 |
| 5143 | 0.00 | ESCPE 509 | 120. | 2.38 | 1.41 | 4.17 | 1.32 | 4.17 | 1.37 | 3.33 | 1.22 | 4.00 | 1.27 | 3.23 | 1.32 |
| 5143 | 0.00 | ESCPE 509 | 240. | 1.56 | 1.59 | 3.03 | .57 | 3.33 | 1.56 | 1.32 | 2.00 | 4.17 | 1.55 | 3.03 | 1.82 |
| 5143 | 1.00 | ESCPE 509 | 20.00 | 2.50 | 1.43 | 4.35 | 1.41 | 4.76 | 1.45 | 2.33 | 1.67 | 2.86 | 1.49 | 2.04 | 1.79 |
| 5143 | 1.00 | ESCPE 509 | 120. | 2.70 | 1.41 | 2.86 | .54 | 3.23 | 1.54 | 1.43 | 1.52 | 2.86 | 1.54 | 3.33 | 1.20 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN |
|----------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 5143 | 1.00 | ESCPE 509 | 240. | 3.23 1.35 | 4.17 1.35 | 2.56 1.54 | 3.13 1.47 | 3.57 1.41 | 2.78 1.37 |
| 5143 | 1.00 | ESCPE 509 | 1440. | 1.27 1.30 | 3.13 1.52 | 2.86 1.49 | 2.44 1.39 | 3.85 1.25 | 3.33 1.32 |
| 5143 | 0.00 | ESCPE 487 | 20.00 | 4.00 .91 | 4.00 1.19 | 4.55 .98 | 4.76 .51 | 4.17 .93 | 4.76 .90 |
| 5143 | 0.00 | ESCPE 487 | 120. | 3.23 .98 | 4.00 .98 | 4.00 .53 | 4.00 .50 | 4.00 .53 | 4.00 1.14 |
| 5143 | 0.00 | ESCPE 487 | 240. | 3.57 .87 | 4.76 .55 | 4.35 .52 | 4.00 1.16 | 4.00 1.30 | 3.85 .95 |
| 5143 | 1.00 | ESCPE 487 | 20.00 | 3.45 1.00 | 5.00 .51 | 3.70 .51 | 4.55 .51 | 4.00 .53 | 5.00 .52 |
| 5143 | 1.00 | ESCPE 487 | 120. | 3.33 .84 | 3.03 .85 | 3.03 .89 | 3.23 .69 | 3.03 .83 | 3.33 .85 |
| 5143 | 1.00 | ESCPE 487 | 240. | 6.25 1.05 | 6.67 1.19 | 5.56 1.09 | 4.35 1.27 | 6.67 1.16 | 6.67 1.03 |
| 5143 | 1.00 | ESCPE 487 | 1440. | 4.35 .82 | 4.17 .76* | .03 .03 | .06 .82 | .03 .03 | .39 .95 |
| 5598 | 0.00 | APRCH 488 | 20.00 | .26 .56 | 2.78 .92 | 3.03 .87 | 2.86 .91 | 2.00 .76 | 3.57 .95 |
| 5598 | 0.00 | APRCH 488 | 120. | 4.00 .86 | 3.57 1.04 | .21 .66 | 3.23 .94 | 1.45 1.02 | 3.33 .84 |
| 5598 | 0.00 | APRCH 488 | 240. | 1.12 .67 | 3.70 .88 | 3.45 .82 | 4.55 1.06 | .37 .85 | .90 .87 |
| 5598 | .32 | APRCH 488 | 20.00 | 1.14 .53 | 4.00 .59 | 4.17 .70 | 4.00 .98 | 3.45 .81 | 3.57 .91 |
| 5598 | .32 | APRCH 488 | 120. | 2.33 .83 | 2.86 .98 | 3.33 .91 | 1.79 1.11 | 4.35 1.12 | .38 .69 |
| 5598 | .32 | APRCH 488 | 240. | 4.55 1.09 | 3.70 1.09 | 1.67 1.03 | 3.70 .94 | 4.55 .93 | 3.85 .85 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN |
|----------|------------|---------------|-------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| 2598 | .32 | APRCH 488 | 1440. | 3.23 | .79 | 4.17 | .85 | 1.05 | .84 | 3.85 | .90 | 3.85 | .91 | 4.17 | .98 |
| | 0.00 | APRCH 496 | 20.00 | 1.82 | .99 | 1.32 | 1.15 | 1.56 | 1.03 | .43 | .85 | 1.10 | 1.11 | .09 | .86 |
| | 0.00 | APRCH 496 | 120. | .20 | .82 | 1.18 | 1.22 | .18 | .75 | .77 | 1.06 | 1.47 | 1.20 | 1.19 | 1.15 |
| | 0.00 | APRCH 469 | 240. | 1.45 | 1.00 | 1.35 | 1.04 | 1.64 | 1.18 | 1.39 | 1.25 | 1.01 | 1.05 | .97 | 1.11 |
| 2598 | .32 | APRCH 496 | 20.00 | 1.23 | .89 | 1.25 | 1.20 | 1.43 | 1.09 | 1.30 | 1.16 | 1.45 | 1.19 | 1.22 | 1.14 |
| 2598 | .32 | APRCH 496 | 120. | 1.61 | 1.00 | 1.72 | 1.16 | 1.82 | 1.18 | 1.72 | 1.19 | 1.52 | 1.30 | 1.69 | 1.27 |
| 2598 | .32 | APRCH 496 | 240. | 1.54 | .97 | 1.18 | 1.22 | 1.64 | 1.22 | 1.49 | 1.15 | .25 | .98 | 1.37 | 1.25 |
| 2598 | .32 | APRCH 496 | 1440. | 1.85 | 1.08 | 2.04 | 1.25 | .87 | 1.19 | 1.49 | 1.23 | .29 | 1.11 | 1.82 | 1.32 |
| | 0.00 | AVOID 475 | 20.00 | 1.06 | .79 | 2.22 | 1.23 | 1.04 | 1.01 | 2.13 | 1.33 | .88 | 1.92 | 2.56 | 1.61 |
| | 0.00 | AVOID 475 | 120. | 2.22 | .58 | 1.09 | 1.06 | 1.49 | .93 | 1.28 | 1.12 | 1.28 | 1.43 | .72 | 1.96 |
| | 0.00 | AVOID 475 | 240. | 1.75 | .99 | .92 | .99 | 1.92 | 1.37 | 2.70 | 1.54 | 2.33 | 1.32 | 2.70 | 1.37 |
| 2598 | .32 | AVOID 475 | 20.00 | .93 | 1.04 | 2.00 | .97 | 2.22 | 1.15 | 1.82 | 1.43 | 3.45 | 1.32 | 3.23 | 1.43 |
| 2598 | .32 | AVOID 475 | 120. | 2.22 | .66 | 1.85 | 1.06 | 1.96 | 1.04 | 2.27 | 1.19 | 2.38 | 1.25 | 2.00 | 1.32 |
| 2598 | .32 | AVOID 475 | 240. | 2.38 | 1.08 | 1.67 | 1.11 | 1.85 | 1.22 | 2.94 | 1.33 | 2.55 | 1.43 | 2.85 | 1.45 |
| 2598 | .32 | AVOID 475 | 1440. | 2.27 | .54 | 1.75 | .73 | 1.82 | .75 | 2.00 | .69 | 1.69 | 1.18 | 2.13 | 1.33 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN |
|----------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 2598 | 0.00 | AVOID 501 | 20.00 | 4.17 1.61 | 3.33 1.61 | 3.33 1.47 | 3.85 1.67 | 3.57 1.67 | 3.45 1.67 |
| 2598 | 0.00 | AVOID 501 | 120. | 2.22 1.54 | 3.13 1.25 | 3.23 1.54 | 2.94 1.43 | 2.50 1.69 | 4.76 1.54 |
| 2598 | 0.00 | AVOID 501 | 240. | 3.45 1.54 | 2.70 1.67 | 4.00 1.69 | 3.33 1.32 | 3.13 1.67 | 3.70 1.47 |
| 2598 | .32 | AVOID 501 | 20.00 | 2.86 1.67 | 3.13 1.54 | 3.70 1.61 | 3.33 1.52 | 4.35 1.67 | 4.55 1.85 |
| 2598 | .32 | AVOID 501 | 120. | 2.27 1.39 | 2.70 1.52 | 2.56 1.35 | 2.63 1.45 | 2.33 1.27 | 2.56 1.39 |
| 2598 | .32 | AVOID 501 | 240. | 3.13 1.20 | 3.03 1.23 | 2.70 1.43 | 3.23 1.49 | 2.63 2.33 | 3.33 1.45 |
| 2598 | .32 | AVOID 501 | 1440. | 2.08 1.23 | 2.86 1.30 | 2.86 1.54 | 2.70 1.49 | 3.03 1.43 | 2.70 1.56 |
| 2598 | 0.00 | ESCAPE 505 | 20.00 | 5.26 1.28 | 5.26 1.33 | 5.88 1.35 | 4.00 1.10 | 4.00 1.11 | 4.17 1.20 |
| 2598 | 0.00 | ESCAPE 505 | 120. | 3.70 1.54 | 4.00 1.39 | 5.00 1.15 | 3.85 1.10 | 3.70 1.03 | 3.57 1.28 |
| 2598 | 0.00 | ESCAPE 505 | 240. | 4.55 1.27 | 5.00 1.39 | 4.55 .98 | 4.35 .25 | 3.57 .38 | 4.35 .71 |
| 2598 | .32 | ESCAPE 505 | 20.00 | 3.70 1.20 | 5.88 1.23 | 5.88 .87 | 5.56 .94 | 4.55 1.14 | 5.00 1.06 |
| 2598 | .32 | ESCAPE 505 | 120. | 3.57 .67 | 3.57 .16 | 4.76 .46 | 4.00 .17 | 4.17 .31 | 4.35 .81 |
| 2598 | .32 | ESCAPE 505 | 240. | 4.55 1.03 | 5.00 .91 | 4.76 .97 | 3.33 1.23 | 3.57 1.08 | 3.70 1.12 |
| 2598 | .32 | ESCAPE 505 | 1440. | 3.03 .56 | 4.76 1.04 | 4.35 1.28 | 4.17 1.02 | 6.25 1.30 | 5.26 1.15 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE MOTIV
MG/KG | RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------------|------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2598 | 0.00 | ESCP | 466 | 120. | 4.00 | 1.59 | 4.76 | 1.33 | 3.57 | 1.37 | 4.35 | 1.28 | 4.76 | 1.04 | 1.56 |
| | 0.00 | ESCP | 466 | 240. | 4.55 | 1.89 | 6.25 | 1.96 | 4.35 | 1.82 | 5.00 | 1.52 | 3.45 | 1.85 | 2.56 |
| 2598 | .32 | ESCP | 466 | 20.00 | 3.57 | 1.45 | 5.00 | 1.43 | 5.00 | 1.15 | 5.00 | 1.23 | 5.88 | 1.23 | 5.00 |
| | .32 | ESCP | 466 | 120. | 2.86 | 1.28 | 3.57 | 1.11 | 4.17 | .98 | 3.85 | 1.25 | 3.23 | 1.14 | 4.76 |
| | .32 | ESCP | 466 | 240. | 5.56 | 1.30 | 5.56 | 1.23 | 4.76 | 1.41 | 5.56 | 1.12 | 4.55 | 1.06 | 1.56 |
| | .32 | ESCP | 466 | 1440. | 2.86 | 1.20 | 3.45 | 1.00 | 4.55 | 1.27 | 5.00 | 1.19 | 4.76 | .93 | 4.17 |

SRBA
975

OBSERVATIONS

RAT NO. DOSE WT. TIME
AND SEX MG/KG GM. HOURS

518 M 10.0 361 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

491 M 10.0 289 0.0 NORMAL
0.25 INCREASED REARING UP SIDES OF CAGE
CONTINUALLY NUDGES REWARD DOOR
2 INCREASED REARING UP SIDES OF CAGE
4 NORMAL
24 NORMAL

SRBA
2372

OBSERVATIONS

RAT NO. DOSE WT. TIME
AND SEX MG/KG GM. HOURS

518 M 10.0 357 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

491 M 10.0 291 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
25 NORMAL

SRBA
2413

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--------------|
| 517 M | 1.6 | 333 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 528 M | 1.6 | 371 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA
2460

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 491 M | 10.0 | 283 | 0.0 | NORMAL |
| | | | 0.25 | CONTINUALLY NUDGES REWARD DOOR
SLIGHTLY DISRUPTED PATTERN |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 516 M | 10.0 | 299 | 0.0 | MIOSIS |
| | | | 0.25 | CHEWS LIGHT BULBS ABOVE PEDALS
SLIGHTLY DISRUPTED PATTERN |
| | | | 2 | SLIGHTLY DISRUPTED PATTERN |
| | | | 4 | SLIGHTLY DISRUPTED PATTERN |
| | | | 24 | NORMAL |

SRBA
2470

OBSERVATIONS

RAT. NO. DOSE WT. TIME
AND SEX MG/KG GM. HOURS

519 M 10.0 357 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

489 M 10.0 418 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

SRBA
2562

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 525 M | 3.2 | 295 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 529 M | 3.2 | 284 | 0.0 | NORMAL |
| | | | 0.25 | SLIGHTLY DISRUPTED PATTERN
DECREASED LOCOMOTOR ACTIVITY |
| | | | 2 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA
-2607

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 525 M | 10.0 | 293 | 0.0 | DECREASED LOCOMOTOR ACTIVITY
DECREASED REARING FREQUENCY
DECREASED RESPIRATORY DEPTH
INCREASED RESPIRATORY RATE
LOW POSTURE |
| | | | 0.25 | INCREASED RESPIRATORY DEPTH
IRREGULAR RESPIRATORY DEPTH
IRREGULAR RESPIRATORY RATE
DECREASED RESPIRATORY RATE
RECLINES ALONG SIDE OF CAGE
DECREASED LOCOMOTOR ACTIVITY
LOW POSTURE |
| | | | 2 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 4 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 24 | NORMAL |

SRBA
-2607

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 525 M | 10.0 | 293 | 0.0 | DECREASED LOCOMOTOR ACTIVITY
DECREASED REARING FREQUENCY
DECREASED RESPIRATORY DEPTH
INCREASED RESPIRATORY RATE
LOW POSTURE |
| | | | 0.25 | INCREASED RESPIRATORY DEPTH
IRREGULAR RESPIRATORY DEPTH
IRREGULAR RESPIRATORY RATE
DECREASED RESPIRATORY RATE
RECLINES ALONG SIDE OF CAGE
DECREASED LOCOMOTOR ACTIVITY
LOW POSTURE |
| | | | 2 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 4 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 24 | NORMAL |

SRBA
2636

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 528 M | 3.2 | 364 | 0.0 | INCREASED RESPIRATORY DEPTH
INCREASED RESPIRATORY RATE
RUBBING NOSE |
| | | | 0.25 | HESITATED ON REWARD PEDAL WITH HEAD OUT OF DOOR
HEAD SHAKE
SKIN FLICK |
| | | | 2 | HESITATED ON REWARD PEDAL WITH HEAD OUT OF DOOR
HEAD SHAKE
SKIN FLICK |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA
2636

| RAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | GM. | HOURS | |
| 491 M | 3.2 | 280 | 0.0 | RUBBING NOSE
INCREASED RESPIRATORY DEPTH
INCREASED RESPIRATORY RATE |
| | | | 0.25 | HESITATED ON REWARD PEDAL WITH HEAD OUT OF DOOR
SKIN FLICK
HEAD SHAKE |
| | | | 2 | SKIN FLICK
HEAD SHAKE |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA
2759

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 514 M | 10.0 | 323 | 0.0 | DECREASED LOCOMOTOR ACTIVITY
DECREASED REARING FREQUENCY
DECREASED RESPIRATORY DEPTH
DECREASED RESPIRATORY RATE |
| | | | 0.25 | DECREASED LOCOMOTOR ACTIVITY
RECLINES ALONG SIDE OF CAGE
ATAXIA
DECREASED RESPIRATORY DEPTH
DECREASED RESPIRATORY RATE |
| | | | 2 | RECLINES ALONG SIDE OF CAGE |
| | | | 4 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 24 | NORMAL |

SRBA
2759

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 510 M | 10.0 | 337 | 0.0 | DECREASED LOCOMOTOR ACTIVITY
DECREASED RESPIRATORY DEPTH
DECREASED RESPIRATORY RATE
DECREASED REARING FREQUENCY |
| | | | 0.25 | DECREASED LOCOMOTOR ACTIVITY
RECLINES ALONG SIDE OF CAGE |
| | | | 2 | DECREASED LOCOMOTOR ACTIVITY
RECLINES ALONG SIDE OF CAGE |
| | | | 4 | DECREASED LOCOMOTOR ACTIVITY
RECLINES ALONG SIDE OF CAGE |
| | | | 24 | NORMAL |

| SEQUENTIAL RESPONSE TEST IN HOODED RATS | | | | | | | | | | | | | |
|---|--------|----------|------|---------|-----|---------|------|---------|------|---------|-----|-----|-----|
| NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | |
| CPND | RAT NO | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | | 24 HOUR | | PCT | PCT |
| | | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | | |
| 2372
10.00MG/KG | 518 | 20. | 94. | 23. | 88. | 20. | 86. | 17. | 77. | 16. | 76. | 46. | 46. |
| | 22. | 85. | 52. | 23. | 89. | 19. | 77. | 11. | 53. | 23. | 93. | 43. | 49. |
| | 23. | 95. | 49. | 23. | 96. | 23. | 93. | 20. | 83. | 22. | 93. | 47. | 47. |
| | MEAN | 22. | 91. | 23. | 91. | 21. | 85. | 16. | 71. | 20. | 87. | 46. | 48. |
| 2413
1.60MG/KG | 517 | 26. | 88. | 26. | 88. | 27. | 89. | 26. | 83. | 63. | | | |
| | 29. | 97. | 60. | 27. | 85. | 29. | 95. | 27. | 95. | 60. | | | |
| | 30. | 98. | 61. | 24. | 79. | 25. | 78. | 34. | 110. | 63. | | | |
| | MEAN | 28. | 94. | 26. | 84. | 27. | 87. | 29. | 96. | 62. | | | |
| 2413
1.60MG/KG | 517 | 27. | 92. | 28. | 95. | 27. | 93. | 24. | 80. | 61. | 90. | 60. | 60. |
| | 28. | 94. | 61. | 31. | 99. | 20. | 66. | 15. | 53. | 58. | 92. | 63. | 63. |
| | 21. | 74. | 57. | 24. | 82. | 22. | 77. | 18. | 83. | 51. | 71. | 56. | 56. |
| | MEAN | 25. | 87. | 28. | 92. | 23. | 79. | 19. | 72. | 57. | 84. | 60. | 60. |
| 2413
1.60MG/KG | 516 | 28. | 154. | 24. | 80. | 27. | 106. | 31. | 114. | 54. | | | |
| | 30. | 137. | 46. | 21. | 72. | 17. | 75. | 28. | 110. | 55. | | | |
| | 37. | 141. | 52. | 16. | 50. | 23. | 92. | 25. | 103. | 50. | | | |
| | MEAN | 32. | 144. | 20. | 67. | 22. | 91. | 28. | 109. | 53. | | | |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | RAT NO | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | | 24 HOUR | |
|--------------------|--------|---|------|----------|-----|---------|-----|---------|------|---------|-----|---------|-----|
| | | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT |
| 2460
10.00MG/KG | 516 | 34. | 165. | 42. | 17. | 74. | 46. | 19. | 80. | 49. | 11. | 60. | 37. |
| | | 38. | 162. | 48. | 27. | 100. | 56. | 33. | 125. | 53. | 30. | 109. | 55. |
| | | 42. | 155. | 54. | 28. | 93. | 60. | 34. | 121. | 55. | 25. | 92. | 54. |
| | MEAN | 38. | 161. | 48. | 24. | 89. | 54. | 29. | 109. | 52. | 22. | 87. | 49. |
| 2470
0.00MG/KG | 518 | 19. | 87. | 44. | 23. | 102. | 46. | 16. | 76. | 47. | 27. | 110. | 49. |
| | | 25. | 110. | 50. | 30. | 128. | 48. | 30. | 126. | 51. | 28. | 101. | 55. |
| | | 29. | 124. | 48. | 30. | 124. | 48. | 25. | 102. | 51. | 27. | 106. | 51. |
| | MEAN | 24. | 107. | 47. | 28. | 118. | 47. | 24. | 101. | 50. | 27. | 106. | 52. |
| 2470
10.00MG/KG | 518 | 21. | 73. | 64. | 21. | 75. | 57. | 25. | 90. | 59. | 20. | 69. | 59. |
| | | 33. | 110. | 60. | 26. | 85. | 61. | 13. | 67. | 49. | 27. | 86. | 64. |
| | | 25. | 81. | 62. | 25. | 74. | 68. | 18. | 70. | 56. | 18. | 52. | 67. |
| | MEAN | 26. | 88. | 62. | 24. | 78. | 62. | 19. | 76. | 55. | 22. | 69. | 64. |
| 2470
0.00MG/KG | 525 | 26. | 88. | 65. | 28. | 86. | 64. | 31. | 94. | 66. | 31. | 98. | 65. |
| | | 33. | 100. | 67. | 30. | 99. | 66. | 33. | 100. | 65. | 34. | 105. | 65. |
| | | 35. | 106. | 66. | 31. | 94. | 66. | 35. | 107. | 65. | 30. | 91. | 66. |
| | MEAN | 31. | 98. | 66. | 30. | 93. | 65. | 33. | 100. | 65. | 32. | 98. | 65. |
| 2470
0.00MG/KG | 518 | 21. | 73. | 64. | 21. | 75. | 57. | 25. | 90. | 59. | 20. | 69. | 59. |
| | | 33. | 110. | 60. | 26. | 85. | 61. | 13. | 67. | 49. | 27. | 86. | 64. |
| | | 25. | 81. | 62. | 25. | 74. | 68. | 18. | 70. | 56. | 18. | 52. | 67. |
| | MEAN | 26. | 88. | 62. | 24. | 78. | 62. | 19. | 76. | 55. | 22. | 69. | 64. |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | | | | | | | | | | |
|------|------------|---|------|------|-----|----------|------|-----|-----|--------|-----|-----|------|--------|-----|-----|-----|--------|-----|-----|-----|---------|-----|-----|-----|
| | | RAT NO | | | | PRE DOSE | | | | 15 MIN | | | | 2 HOUR | | | | 4 HOUR | | | | 24 HOUR | | | |
| | | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT |
| 2562 | 3.20MG/KG | 525 | 32. | 96. | 67. | 25. | 80. | 64. | 29. | 89. | 66. | 27. | 87. | 64. | 28. | 85. | 66. | | | | | | | | |
| | | | 32. | 98. | 66. | 28. | 85. | 66. | 27. | 82. | 66. | 31. | 93. | 67. | 23. | 72. | 64. | | | | | | | | |
| | | | 27. | 86. | 64. | 28. | 81. | 68. | 16. | 50. | 64. | 25. | 84. | 64. | 27. | 82. | 66. | | | | | | | | |
| MEAN | | 30. | 93. | 66. | 27. | 82. | 66. | 24. | 74. | 65. | 28. | 88. | 65. | 26. | 80. | 65. | | | | | | | | | |
| 2607 | 10.00MG/KG | 525 | 33. | 100. | 66. | 19. | 74. | 64. | 24. | 75. | 65. | 19. | 62. | 63. | | | | | | | | | | | |
| | | | 32. | 105. | 64. | 25. | 84. | 65. | 23. | 74. | 62. | 16. | 51. | 63. | | | | | | | | | | | |
| | | | 23. | 80. | 61. | 21. | 72. | 61. | 20. | 69. | 59. | 10. | 31. | 68. | | | | | | | | | | | |
| MEAN | | 29. | 95. | 64. | 22. | 77. | 63. | 22. | 73. | 62. | 15. | 48. | 64. | | | | | | | | | | | | |
| 2607 | 10.00MG/KG | 525 | 26. | 87. | 61. | 2. | 11. | 36. | 11. | 39. | 56. | 22. | 72. | 61. | 26. | 79. | 66. | | | | | | | | |
| | | | 27. | 84. | 64. | 0. | 0.* | | 13. | 44. | 64. | 18. | 58. | 66. | 25. | 79. | 63. | | | | | | | | |
| | | | 35. | 107. | 65. | 0. | 0.* | | 17. | 50. | 66. | 7. | 21. | 67. | 27. | 84. | 64. | | | | | | | | |
| MEAN | | 29. | 93. | 64. | 1. | 6.* | | 14. | 44. | 62. | 16. | 50. | 64. | 26. | 81. | 64. | | | | | | | | | |
| 2607 | 0.00MG/KG | 514 | 36. | 167. | 43. | 31. | 108. | 59. | 15. | 55. | 55. | 30. | 100. | 61. | | | | | | | | | | | |
| | | | 36. | 152. | 47. | 27. | 93. | 62. | 17. | 57. | 60. | 25. | 84. | 61. | | | | | | | | | | | |
| | | | 20. | 77. | 51. | 16. | 60. | 55. | 29. | 92. | 64. | 26. | 86. | 60. | | | | | | | | | | | |
| MEAN | | 31. | 132. | 47. | 25. | 87. | 59. | 20. | 68. | 59. | 27. | 90. | 61. | | | | | | | | | | | | |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| | | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | |
|--------------------|--------|---|------|---------|-----|---------|-----|---------|-----|---------|-----|---------|------|
| | | 15 MIN | | | | 2 HOUR | | | | 4 HOUR | | | |
| CPND | RAT NO | PRE DOSE | | RWD TOT | | PCT | | RWD TOT | | PCT | | RWD TOT | |
| | | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT |
| 2759
10.00MG/KG | 514 | 37. | 128. | 58. | 0. | 0.* | 27. | 88. | 61. | 26. | 87. | 21. | 184. |
| | | 41. | 137. | 60. | 0. | 1. | 0. | 12. | 41. | 59. | 29. | 22. | 182. |
| | | 41. | 135. | 61. | 8. | 26. | 62. | 0. | 0.* | 3. | 11. | 55. | 147. |
| MEAN | | 40. | 133. | 59. | 3. | 9.* | 20. | 65. | 60. | 19. | 64. | 59. | 171. |

27.

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

PEG-300 100% (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 44 F | | 2.50 | 0.0 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.4</p> <p>QUIET
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 NOSE COOL AND MOIST
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>HEART RATE 132 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.7
 NOSE WARM AND MOIST
 NOSE REDDISH
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.6
 NOSE WARM AND MOIST
 NOSE NORMAL PINK
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.0 | <p>HEART RATE 132 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 NOSE WARM AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

PEG-300 100% (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 44 F | | 2.50 | 2.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.5
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.0 | HEART RATE 96 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.3
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 23.6 | HEART RATE 140 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.0
NOSE COOL AND MOIST
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

1356 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 32 M | 5.6 | 3.43 | 0.0 | <p>HEART RATE 168 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 39.2
 NO DIARRHEA
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 LEAN
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 39.2
 TAIL LASH
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.6 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 72
 BODY TEMPERATURE C 38.9
 TAIL LASH
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.8 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.7
 SLIGHT DIARRHEA WITH CLEAR MUCUS
 SKIN TWITCHING ON FLANKS
 TAIL LASH
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

1356 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 32 M | 5.6 | | 2.9 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 38.6
TAIL LASH
SKIN TWITCHING ON FLANKS
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.7 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.7
TAIL LASH
NO SKIN TWITCH
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 22.0 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 37.7
NO SKIN TWITCH
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2367 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 5.0 | 1.87 | 0.0 | <p>HEART RATE 126 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.7
 NOSE COOL AND MOIST
 CALM
 ALERT
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.2
 NOSE WARM AND DRY
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.7 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.6
 NOSE COOL AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.6 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.5
 REDUCED ANAL TENSION
 DEFECATION RIGHT AFTER TEMPERATURE TAKEN
 DEFECATION WITH CLEAR MUCUS
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2367 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 5.0 | | 3.0 | <p>HEART RATE 132 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.8
 NOSE COOL AND MOIST
 REDUCED ANAL TENSION
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 5.6 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.5
 NOSE WARM AND MOIST
 REDUCED ANAL TENSION
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 21.0 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.2
 NOSE COOL AND MOIST
 ANAL TENSION BETTER
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL</p> |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2516 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 39 F | 10.0 | 2.81 | 0.0 | <p>HEART RATE 108 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.4
 NOSE COOL AND MOIST
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 78
 BODY TEMPERATURE C 38.3
 NOSE WARM AND MOIST
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.0
 NOSE WARM AND DRY
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.9 | <p>HEART RATE 120 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 37.9
 NOSE WARM AND DRY
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |

SUSPENSION - STEROID DILUENT

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2516 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 39 F | 10.0 | | 2.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.2
NOSE COOL AND MOIST
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.1 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.4
NO PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 23.8 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
HEARTBEAT WEAKER
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SUSPENSION - STEROID DILUENT |

11114494 AND NEUROLOGICAL EXAMINATION OF CATS

2531 (I-1)

OBSERVATIONS

O. DOSE WT. TIME
EX MG/KG KG. HOURS

F 11.2 2.88 0.0

HEART RATE 96 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.1
NOSE COOL AND MOIST
QUIET
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

0.2

HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.7
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

0.6

HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.7
NOSE WARM AND DRY
TENDED TO CURL LEFT WRIST ON LYING (WAS DOSED IN RT. ARM ONLY)
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

1.1

HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.7
NOSE COOL AND MOIST
NEUROLOGICAL TESTS NORMAL
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SUSPENSION - STEROID DILUENT

PHYSICAL AND NEUROLOGIC EXAMINATION OF CATS

5071 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 32 M | 5.0 | | 2.9 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.9
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.4 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 21.6 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.8
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |

SUSPENSION - STEROID DILUENT

2531 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 39 F | 11.2 | | 2.1 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.5
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.0 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.4
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 24.6 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.2
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | SUSPENSION - STEROID DILUENT |

2598 (1-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 64 F | 0.28 | 3.36 | 0.0 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 72
 BODY TEMPERATURE C 38.4
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 72
 BODY TEMPERATURE C 39.0
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.9
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.0 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.7
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL</p> |

SOLUTION - HYDROCHLORIC ACID 0.1 N, Q5 WITH DISTILLED WATER

2598 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 64 F | 0.28 | 3.36 | 2.1 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.3
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL.
NEUROLOGICAL TESTS NORMAL |
| | | | 3.9 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.9
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL |
| | | | 5.4 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 39.0
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL |
| | | | 21.6 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.7
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL

SOLUTION - HYDROCHLORIC ACID 0.1 N, QS WITH DISTILLED WATER |

2598 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 44 F | 2.8 | 2.27 | 0.0 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 39.2
 NOSE COOL AND MOIST
 CALM
 ACTIVE
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 39.2
 NOSE WARM AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 90
 BODY TEMPERATURE C 38.9
 NOSE WARM AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.9 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 90
 BODY TEMPERATURE C 38.5
 NOSE WARM AND MOIST
 PUPILS SLIGHTLY DILATED
 PUPILLARY REFLEX INCOMPLETE
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | <p>SOLUTION - HYDROCHLORIC ACID 0.1 N. QS WITH DISTILLED WATER</p> |

2598 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 44 F | 2.8 | | 2.1 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.8
NOSE WARM AND MOIST
PUPILS SLIGHTLY DILATED
PUPILLARY REFLEX NORMAL
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.1 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.4
NOSE COOL AND MOIST
PUPILS SLIGHTLY DILATED
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 23.8 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.3
PUPILS SLIGHTLY DILATED
PUPILLARY REFLEX NORMAL
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SOLUTION - HYDROCHLORIC ACID 0.1 N, QS WITH DISTILLED WATER |

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 32 M | 3.6 | 3.46 | 0.0 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 39.0
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 39.2
 HEARTBEAT STRONG
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.9
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION
 SKIN TWITCHING ON FLANKS</p> |
| | | | 1.0 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.6
 TAIL LASH
 SLIGHTLY TENSE
 SKIN TWITCHING ON FLANKS
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | SUSPENSION - STEROID DILUENT |

2717 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 32 M | 3.6 | 3.46 | 2.2 | HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
TAIL LASH
LESS TENSE
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.8 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.5
NICITATING MEMBRANE SLIGHTLY RELAXED
BEHAVIOR AND APPEARANCE - OTHERWISE ABOUT SAME
NEUROLOGICAL TESTS NORMAL |
| | | | 22.6 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.5
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SUSPENSION - STEROID DILUENT |

| CAT No. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 53 F | 4.5 | 2.70 | 0.0 | <p>HEART RATE 180 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 90
 BODY TEMPERATURE C 38.9
 NO PHOTOPHOBIA
 CALM
 RESTING NORMALLY IN CAGE
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 78
 BODY TEMPERATURE C 38.9
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 84
 BODY TEMPERATURE C 38.7
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.9 | <p>RESPIRATIONS PER MINUTE 90
 BODY TEMPERATURE C 38.7
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION
 SUSPENSION - STEROID DILUENT</p> |

2778 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 53 F | 4.5 | 2.70 | 2.3 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 39.0
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.7 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 39.4
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 22.5 | RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 39.2
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | SUSPENSION - STEROID DILUENT |

2867 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 2.0 | 1.96 | 0.0 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.3
 NOSE COOL AND MOIST
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.4
 NOSE WARM AND DRY
 NICITATING MEMBRANE SLIGHTLY RELAXED
 REDUCED ANAL TENSION
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.6 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.3
 NOSE WARM AND MOIST
 NICITATING MEMBRANE SLIGHTLY RELAXED
 REDUCED ANAL TENSION
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.6 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.3
 NOSE COOL AND MOIST
 NICITATING MEMBRANE IN NORMAL POSITION</p> <p>SOLUTION - DISTILLED WATER</p> |

2867 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 2.0 | | 3.3 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.2
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.8 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.4
ANAL TENSION BETTER
BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL |
| | | | 21.1 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 50
BODY TEMPERATURE C 37.8
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SOLUTION - DISTILLED WATER |

2897 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 39 F | 10.0 | 2.75 | 0.0 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 37.9
 NOSE COOL AND MOIST
 QUIET
 CALM
 BEHAVIOR: GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>HEART RATE 72 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.1
 NOSE WARM AND DRY
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 90 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.0
 NOSE COOL AND DRY
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.0 | <p>HEART RATE 108 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.1
 NOSE COOL AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | SUSPENSION - STEROID DILUENT |

2897 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|------------------------------|---------------|------------|---------------|--|
| 39 F | 10.0 | | 2.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
NOSE COOL AND DRY
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.1 | HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 32
BODY TEMPERATURE C 38.6
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.3 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.5
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 22.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.0
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| SUSPENSION - STEROID DILUENT | | | | |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2935 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|-----|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 5 F | 4.5 | | 4.1 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 37.9
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 20 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.3
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | SUSPENSION - STEROID DILUENT |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2607 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
| B | 47 | | |

THIRD DOSING

3.0

SHUTTLED ON LIGHT CUE

3.2

RESPIRATIONS PER MINUTE 96

PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
SHUTTLED ON LIGHT CUE

3.4

RESPIRATIONS PER MINUTE 102

SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL

4.0

RESPIRATIONS PER MINUTE 90

SHUTTLED ON LIGHT CUE
NO CHANGES

5.5

SUSPENSION - 0.5% METHYL CELLULOSE

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2607 (I-M)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| B. | | 853 | 0.0 | RESPIRATIONS PER MINUTE 90
PRE-DOSE (SAME DAY) |
| | 1.0 | | 0.2 | SHUTTLED ON LIGHT CUE
APPEARANCE OTHERWISE NORMAL |
| | 9.0 | | 1.0 | SECOND DOSING |
| | | | 1.1 | SHUTTLED ON LIGHT CUE |
| | | | 1.3 | RESPIRATIONS PER MINUTE 120
NO CHANGES |
| | | | 2.1 | RESPIRATIONS PER MINUTE 96
SHUTTLED ON LIGHT CUE
WAS RETURNED TO HOME CAGE WITH OTHER MONKEYS
APPEARANCE AND BEHAVIOR NORMAL |
| | | | | SUSPENSION - 0.5% METHYL CELLULOSE |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2607 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
| B. | | 853 | 0.0 |
| | 1.0 | | 0.2 |
| | 9.0 | | 1.0 |
| | | | 1.1 |
| | | | 1.3 |
| | | | 2.1 |

RESPIRATIONS PER MINUTE 90
PRE-DOSE (SAME DAY)

SHUTTLED ON LIGHT CUE
APPEARANCE OTHERWISE NORMAL

SECOND DOSING

SHUTTLED ON LIGHT CUE

RESPIRATIONS PER MINUTE 120
NO CHANGES

RESPIRATIONS PER MINUTE 96
SHUTTLED ON LIGHT CUE

WAS RETURNED TO HOME CAGE WITH OTHER MONKEYS
APPEARANCE AND BEHAVIOR NORMAL

SUSPENSION - 0.5% METHYL CELLULOSE

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2759 (I-M)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| A | 67 | 773 | 0.3 | SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL |
| | | | 0.5 | SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL |
| | | | 1.0 | SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL |
| | | | 1.5 | SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL |
| | | | 2.0 | SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL |
| | | | 2.5 | SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL |
| | | | | SUSPENSION - 0.5% METHYL CELLULOSE |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2759 (I-M)

OBSERVATIONS

| MONKEY NUMBER | DOSE MG/KG | WT. GM. | TIME HOURS | OBSERVATIONS |
|---------------|------------|---------|------------|---|
| A | | 805 | 0.0 | HEART RATE 325 BEATS/MINUTE
RESPIRATIONS PER MINUTE 64
APPEARANCE AND BEHAVIOR NORMAL
PRE-DOSE (SAME DAY) |
| | 10.0 | | 0.1 | SHUTTLED ON LIGHT CUE
INCREASED LOCOMOTOR ACTIVITY |
| | | | 0.5 | HEART RATE 320 BEATS/MINUTE
SITTING QUIETLY
SHUTTLED ON LIGHT CUE |
| | | | 0.6 | RESPIRATIONS PER MINUTE 96
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT |
| | 22.36 | | 2.0 | SECOND DOSING |
| | | | 2.3 | SHUTTLED ON LIGHT CUE |
| | | | 3.3 | RESPIRATIONS PER MINUTE 80
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
APPEARANCE AND BEHAVIOR NORMAL
IN HOME CAGE |
| | | | | SUSPENSION - 0.5% METHYL CELLULOSE |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

(I-M)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| B | 1.0 | 840 | 0.1 | <p>RESPIRATIONS PER MINUTE 72</p> <p>GENERALLY IMMOBILE</p> <p>GRASPING REFLEX WEAK</p> <p>RIGHTING REACTION WEAK</p> <p>FINE TREMORS IN LEGS FOLLOWED BY GROSSER TREMORS ALL OVER</p> <p>ERRATIC LATERAL AND UP-DOWN HEAD MOVEMENTS</p> |
| | | | 0.2 | |
| | | | 0.6 | <p>RESPIRATIONS PER MINUTE 66</p> <p>ONE DEEP RESPIRATION ALTERNATING WITH ONE SHALLOW RESPIRATION</p> <p>HAD CRAWLED OUT OF BLANKET WRAPPED ABOUT HIM</p> <p>ON 4 FEET SWAYING UNSTEADILY FROM SIDE TO SIDE</p> <p>DECREASED EQUILIBRIUM</p> <p>EASILY HANDLED</p> <p>GRASPING REFLEX INTACT</p> <p>RESPONSIVE TO VISUAL STIMULI</p> <p>NO RESPONSE TO SOUND</p> |
| | | | 2 | <p>ON CASUAL OBSERVATION</p> <p>TOXIC SIGNS DECREASING</p> <p>REDUCED MOTOR ACTIVITY</p> |
| | | | 3.5 | <p>RESPONSIVE TO SOUND</p> <p>RAN TO HOME CAGE TO JOIN OTHER MONKEY</p> <p>SPONTANEOUS MOTOR ACTIVITY SLOW AND HALTING</p> <p>APPEARANCE OTHERWISE NORMAL</p> |

SOLUTION - 0.9% SALINE

DOMINANCE BEHAVIOR OF SQUIRREL MONKEYS

| Group | Monkey No. | Dosage Level mg/kg | Reinforcement | Time (hrs) | No. of Trials | SHUTTLE ORDER | | | | | |
|-------|------------|--------------------|---------------|--|---------------|---------------|-----|-----|-----|------|-----|
| | | | | | | First | | R | | Last | |
| | | | | | | G | T | G | T | G | T |
| 1172 | T | 100 I.M. | Neg. | Control*
(Mean 8 tests)
0.5 - 1.2
24 | 15 | 13.0 | 0.8 | 1.1 | 0.5 | 11.0 | 3.3 |
| | | | Neg. | | 15 | 14 | 0 | 1 | 0 | 14 | 1 |
| | | | Neg. | | 15 | 14 | 0 | 1 | 1 | 13 | 1 |
| | | | Pos. | Control*
(Mean 7 tests)
1.4 - 1.7 and
2.6 - 3.5
25 | 15 | 14.7 | 0 | 0.1 | 0 | 8.9 | 6 |
| | | | Pos. | | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| 1900 | G | 3.0 I.M. | Pos. | | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Neg. | Pre-dose
0.2 - 1.1 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | 4.8 - 5.4
23 | 15 | 5 | 0 | 10 | 0 | 15 | 0 |
| | | | Neg. | | 15 | 14 | 0 | 1 | 0 | 15 | 0 |
| | | | Neg. | | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| 2100 | G | 3.2 I.M. | Pos. | Pre-dose
1.7 - 2.1 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Pos. | 5.4 - 6.1 | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Pos. | | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Neg. | Pre-dose
0.3 - 0.8 | 12 | 12 | 0 | 0 | 0 | 11 | 1 |
| | | | Neg. | 4.1 - 4.6 | 12 | 1 | 1 | 10 | 8 | 4 | 0 |
| 2100 | G | 1.0 I.M. | Neg. | Pre-dose
4.7 - 5.3
23.5 | 12 | 12 | 0 | 0 | 0 | 11 | 1 |
| | | | Neg. | | 12 | 12 | 0 | 0 | 0 | 10 | 2 |
| | | | Neg. | | 12 | 11 | 0 | 1 | 1 | 11 | 0 |
| | | | Neg. | | 12 | 12 | 0 | 0 | 0 | 9 | 3 |
| | | | Neg. | | 15 | 14 | 0 | 1 | 0 | 15 | 0 |
| 2100 | G | 1.0 I.M. | Neg. | Pre-dose
0.2 - 0.8 | 15 | 14 | 0 | 1 | 0 | 15 | 0 |
| | | | Neg. | 4.5 - 5.0
24 | 15 | 14 | 0 | 1 | 0 | 15 | 0 |
| | | | Neg. | | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Pos. | Pre-dose
1.0 - 1.7 | 15 | 15 | 0 | 0 | 0 | 13 | 2 |

DOMINANCE BEHAVIOR OF SQUIRREL MONKEYS (Contd)

| Sound No. | Monkey No. | Dosage Level mg/kg | Reinforce-ment | Time (hrs) | No. of Trials | SHUTTLE ORDER | | | | | |
|-----------|------------|--------------------|----------------|------------|---------------|---------------|---|---|---|------|---|
| | | | | | | First | | R | | Last | |
| | | | | | | G | T | G | R | T | R |
| 2598 | G | 3.0 I.M. | Neg. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | 0.3 - 1.0 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | 4.9 - 5.5 | 15 | 15 | 0 | 0 | 0 | 13 | 2 |
| | | | Neg. | 22.5 | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Pos. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Pos. | 1.2 - 1.9 | 15 | 15 | 0 | 0 | 0 | 12 | 3 |
| | | | Pos. | 5.5 - 6.1 | 15 | 15 | 0 | 0 | 0 | 13 | 2 |
| | | | Pos. | 23.5 | 15 | 15 | 0 | 0 | 0 | 11 | 4 |
| | | | Neg. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Neg. | 0.8 - 1.1 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| 2607 | G | 60.0 I.M. | Neg. | 5.1 - 5.7 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | 23.5 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Pos. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Pos. | 1.6 - 2.3 | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Pos. | 5.7 - 6.3 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Pos. | 24 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Neg. | 0.1 - 0.7 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | 4.6 - 5.0 | 10 | 9 | 1 | 0 | 0 | 8 | 2 |
| | | | Neg. | 22.5 | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| 2759 | R | 30.0 I.M. | Pos. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Pos. | 0.9 - 1.2 | 15 | 15 | 0 | 0 | 0 | 10 | 5 |
| | | | Pos. | 2.0 - 2.4 | 15 | 15 | 0 | 0 | 0 | 9 | 1 |
| | | | Pos. | 5.0 - 5.4 | 10 | 10 | 0 | 0 | 0 | 10 | 5 |
| | | | Pos. | 23 | 15 | 15 | 0 | 0 | 0 | 10 | 5 |
| | | | Neg. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Neg. | 0.1 - 0.7 | 15 | 15 | 0 | 0 | 0 | 15 | 0 |
| | | | Neg. | 4.6 - 5.0 | 10 | 9 | 1 | 0 | 0 | 8 | 2 |
| | | | Neg. | 22.5 | 15 | 15 | 0 | 0 | 0 | 14 | 1 |
| | | | Pos. | Pre-dose | 15 | 15 | 0 | 0 | 0 | 14 | 1 |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2935 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|------|-------|--|
| SEX | MG/KG | KG. | HOURS | |
| 5 F | 4.5 | 1.91 | 0.0 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 37.7
 NEUROLOGICAL TESTS NORMAL
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NOSE COOL AND MOIST
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 108 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.2
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.7 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.3
 NOSE WARM AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.9 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.1
 NOSE COOL AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |

SUSPENSION - STEROID DILUENT

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2963 (I-V)

OBSERVATIONS

| NO. | DOSE | WT. | TIME |
|-----|-------|-----|-------|
| SEX | MG/KG | KG. | HOURS |

| | | | |
|-----|------|------|-----|
| 9 F | 10.0 | 2.82 | 0.0 |
|-----|------|------|-----|

HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 37.9
NOSE COOL AND MOIST
NO PHOTOPHOBIA
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
PRE-DOSE (SAME DAY)

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
NOSE WARM AND DRY
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 38.2
NOSE COOL AND DRY
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
NOSE COOL AND DRY
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SOLUTION - ASCORBIC ACID 30%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2963 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|-----|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 9 F | 10.0 | | 2.1 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.0
 NOSE COOL AND DRY
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 3.9 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.3
 NOSE COOL AND DRY
 SLIGHT PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 5.3 | <p>RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.5
 HEARTBEAT DIFFICULT TO DETECT
 NOSE COOL AND DRY
 NO PHOTOPHOBIA
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 21.5 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 30
 BODY TEMPERATURE C 37.9
 NOSE COOL AND MOIST
 NO PHOTOPHOBIA
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL</p> |

SOLUTION - ASCORBIC ACID 3.0%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2984 (I-V)

| NO. | SEX | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-----|-------|------|-------|--|
| | | MG/KG | KG. | HOURS | |
| 4 | F | 6.3 | 3.15 | 0.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.6
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | | 0.2 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.4
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | 0.6 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.7
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | 1.4 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.6
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION
SUSPENSION - STEROID DILUENT |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2984 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|-----|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 4 F | 6.3 | | 2.8 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.8
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.0 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 21.2 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.0
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | SUSPENSION - STEROID DILUENT |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2994 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---|-------|------|-------|--|
| SEX | MG/KG | KG. | HOURS | |
| 3 F | 20.0 | 2.72 | 0.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 37.8
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.1 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.5
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 0.5 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.5
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 1.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.4
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| SOLUTION - POLYETHYLENE GLYCOL-300 100% | | | | |

PHYSICAL AND NEUROLOGICAL EVALUATION OF CATS

2994 (I-V)

OBSERVATIONS

EX DOSE WT. TIME
MG/KG KG. HOURS

HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.1
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.5
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.7
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2995 (100)

OBSERVATIONS

NO. DOSE WT. TIME
SEX MG/KG KG. HOURS

2 M 2.5 3.52 0.0
HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.3

LEAN
ALERT
CALM

SLIGHT TAIL LASH
SLIGHT SKIN TWITCH
NEUROLOGICAL TESTS NORMAL
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION -- NORMAL
PRE-DOSE (SAME DAY)

0.2
HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 68
BODY TEMPERATURE C 38.4
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

0.6
HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.7
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

1.0
HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.8
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2985 (I-V)

| NO. | SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|-----|-----|---------------|------------|---------------|---|
| 1 | M | 2.5 | | 2.0 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.7
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| 2 | | | | 4.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.3
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| 3 | | | | 26.2 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 38.4
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2999 (1)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|------|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 3 F | 2.5 | 2.78 | 0.0 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 75
 BODY TEMPERATURE C 38.6
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>HEART RATE 168 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 102
 BODY TEMPERATURE C 38.6
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>RESPIRATIONS PER MINUTE 96
 BODY TEMPERATURE C 38.6
 HEARTBEAT DIFFICULT TO DETECT
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.5 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 90
 BODY TEMPERATURE C 38.7
 HEARTBEAT DIFFICULT TO DETECT
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5026 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|------|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 3 F | 11.2 | 2.06 | 0.0 | <p>HEART RATE 108 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.1
 NOSE COOL AND MOIST
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL</p> |
| | | | 0.1 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.0
 NOSE WARM AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 120 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.0
 NOSE COOL AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.0 | <p>HEART RATE 120 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.1
 NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2999 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|-----|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 3 F | 2.5 | | 3.0 | HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 38.8
HEARTBEAT DIFFICULT TO DETECT
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.0 | RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.9
HEARTBEAT DIFFICULT TO DETECT
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 25.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.8
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5026 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|-----|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 3 F | 11.2 | | 2.5 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.0
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.1 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.0
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 26.0 | HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.0
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5031 (I-V)

| NO. | SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|-----|-----|---------------|------------|---------------|---|
| 2 | F | 12.5 | 2.04 | 0.0 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 24
 BODY TEMPERATURE C 37.9
 NOSE COOL AND MOIST
 RESTING NORMALLY IN CAGE
 CALM
 ALERT
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | | 0.1 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.5
 SLIGHTLY MORE NERVOUS
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | 0.5 | <p>HEART RATE 120 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.5
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 NOSE COOL AND MOIST</p> |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5031 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|------|-------|-----|-------|--|
| SEX | MG/KG | KG. | HOURS | |
| 12 F | 12.5 | | 1.0 | HEART RATE 140 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.4
NOSE COOL AND DRY
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 2.5 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.2
NOSE COOL AND DRY
SLIGHT PHOTOPHOBIA
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.1 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.4
SLIGHT PHOTOPHOBIA
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 25.7 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.1
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
NO PHOTOPHOBIA |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5058 - (I-V)

OBSERVATIONS

| NO. | DOSE | WT. | TIME |
|-----|-------|------|-------|
| SEX | MG/KG | KG. | HOURS |
| ♀ | 3.6 | 3.24 | 0.0 |

HEART RATE 168 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.2
 NOSE COOL AND MOIST
 CALM

QUIET
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)

IMMEDIATELY AFTER DOSING
 UNCONSCIOUS
 RESPIRATORY RATE ABOUT NORMAL
 BREATHING DEEP

0.0

UNCONSCIOUS
 ENURESIS
 PUPILS DILATED
 EXTENSION OF FRONT LIMBS
 FLEXOR REFLEXES ABSENT
 NO SIGN OF DEEP OR PERIPHERAL SENSATION
 OTHER TESTS NOT DONE AT THIS TIME

0.05

SUSPENSION - STEROID DILUENT

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5058 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|-----|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 4 F | 3.61 | | 0.1 | <p>AWAKE</p> <p>PUPILS SLIGHTLY DILATED</p> <p>PUPILLARY REFLEX NORMAL</p> <p>PROSTRATE - COULD NOT STAND</p> <p>DEEP AND PERIPHERAL SENSATION PRESENT</p> <p>FLEXOR REFLEXES NORMAL</p> <p>EXTENSOR THRUST REFLEXES ABSENT, HIND LIMBS</p> <p>RIGHTING REACTIONS FAIR</p> <p>PLACING REACTION WITH VISION - POOR</p> <p>TONIC NECK REFLEXES NOT TESTED</p> <p>CORNEAL REFLEX ABSENT</p> <p>OTHER NEUROLOGICAL TESTS NORMAL</p> |
| | | | 0.2 | <p>RESPIRATIONS PER MINUTE 66</p> <p>BODY TEMPERATURE C 38.2</p> <p>HEARTBEAT TOO WEAK TO COUNT</p> <p>NOSE WARM AND MOIST</p> <p>REDUCED ANAL TENSION</p> <p>PUPILS NORMAL IN SIZE AND REACTION</p> |
| | | | 0.35 | CAT COULD STAND |
| | | | 0.6 | <p>HEART RATE 114 BEATS/MINUTE</p> <p>RESPIRATIONS PER MINUTE 90</p> <p>BODY TEMPERATURE C 38.2</p> <p>NOSE COOL AND MOIST</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5058 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-------|-----|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 4 F | 3.6 | | 1.3 | <p>HEART RATE 114 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.3
 QUIET IN CAGE
 ACTIVITY DURING EXAMINATION INCREASED
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION
 NEUROLOGICAL TESTS NORMAL</p> |
| | | | 2.9 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.5
 ANAL TENSION BETTER
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 5.4 | <p>HEART RATE 132 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.5
 NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 21.9 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.3
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5059 (I-V)

| NO. | DOSE | WT. | TIME | OBSERVATIONS |
|------|-------|------|-------|---|
| SEX | MG/KG | KG. | HOURS | |
| 32 F | 16.0 | 1.97 | 0.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 37.3
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 37.8
NOSE COOL AND DRY
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 0.6 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 37.8
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 1.0 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.0
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION
SUSPENSION - STEROID DILUENT |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5059 (I-V)

| NO. | SEX | DOSE | WT. | TIME | OBSERVATIONS |
|-----|-----|-------|-----|-------|--|
| | | MG/KG | KG. | HOURS | |
| 12 | F | 16.0 | | 2.5 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 37.8
NOSE COOL AND DRY
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | 4.6 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.0
NOSE COOL AND DRY
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | 24.6 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.0
NOSE COOL AND MOIST
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SUSPENSION - STEROID DILUENT |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5071 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 32 M | 5.0 | 3.46 | 0.0 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 39.0
 NOSE COOL AND MOIST
 LEAN
 SLIGHTLY TENSE
 CALM
 QUIET
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> <p>APPEARED NORMAL ON CASUAL OBSERVATION</p> |
| | | | 0.1 | |
| | | | 0.6 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.7
 NOSE COOL AND DRY
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.3 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.8
 NOSE COOL AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> <p>SUSPENSION - STEROID DILUENT</p> |

5092 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 66 F | 32.0 | 1.57 | 0.0 | HEART RATE 150 BEATS/MINUTE
BODY TEMPERATURE C 39.7
CAT SMALL AND LEAN
CALM
MODERATELY ACTIVE
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 39.4
SOME OF DOSE INJECTED SUBCUTANEOUS, INSTEAD OF IN VEIN
SUBCUTANEOUS DOSE STILL PRESENT UNDER SKIN
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 0.5 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 39.7
SUBCUTANEOUS DOSE NOW ALL ABSORBED
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 1.6 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 39.7
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SUSPENSION - STEROID DILUENT |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5092 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|------|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 66 F | 32.0 | 1.57 | 2.3 |
| | | | 4.0 |
| | | | 20.3 |

HEART RATE 132 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 40.3
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

HEART RATE 132 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 56
 BODY TEMPERATURE C 40.0
 NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 50
 BODY TEMPERATURE C 39.6
 NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SUSPENSION - STEROID DILUENT

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5104 (I-M)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

44 F 10.0 2.52 0.0

HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
NOSE COOL AND MOIST
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

0.2

HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 39.4
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

0.5

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 108
BODY TEMPERATURE C 39.1
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

1.4

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.6
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5104 (I-M)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 44 F | 10.0 | | 3.2 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.3 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 38.4
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 25.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 38.3
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5143 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 52 F | 5.6 | 2.17 | 0.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 37.9
NOSE COOL AND MOIST
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.4
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 0.5 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 38.3
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 1.6 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.4
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION
SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGIC EXAMINATION OF CATS

5143 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|------|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 52 F | 5.6 | | 3.2 |
| | | | 4.7 |
| 55 F | 5.6 | 1.87 | 0.0 |

HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.2
 NOSE COOL AND DRY
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.7
 NOSE COOL AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SOLUTION - DISTILLED WATER

HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 37.7
 NOSE COOL AND MOIST
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)

SOLUTION - DISTILLED WATER

0

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5143 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 5.6 | | 0.2 | HEART RATE 96 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
NOSE WARM AND DRY
NICITATING MEMBRANE SLIGHTLY RELAXED
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 0.5 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.3
NOSE COOL AND MOIST
NICITATING MEMBRANE IN NORMAL POSITION |
| | | | 1.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.2
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 2.4 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 37.8
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.5 | HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 37.9
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 24.5 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 37.9
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | | SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGIC EXAMINATION OF CATS

5145 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|-----|-------|
| AND SEX | MG/KG | KG. | HOURS |

| | | | |
|------|-----|------|-----|
| 39 F | 2.0 | 2.90 | 0.0 |
|------|-----|------|-----|

HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.2
 NOSE COOL AND MOIST
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)

| | | | |
|--|--|--|-----|
| | | | 0.2 |
|--|--|--|-----|

HEART RATE 120 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.4
 NOSE COOL AND MOIST
 NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

| | | | |
|--|--|--|-----|
| | | | 0.8 |
|--|--|--|-----|

HEART RATE 114 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.7
 NOSE WARM AND DRY
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

| | | | |
|--|--|--|-----|
| | | | 1.4 |
|--|--|--|-----|

HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.8
 NOSE WARM AND DRY
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGIC EXAMINATION OF CATS

5145 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 39 F | 2.0 | | 2.4 | HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.4
NOSE COOL AND DRY
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.5
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 25.7 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 37.9
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

8658-53 (V)

| CAT NO.
AND SEX | DOSE,
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|----------------|------------|---------------|---|
| 55 F | 27 | 2.00 | 0.0 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.3
 NOSE COOL AND MOIST
 QUIET
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.7
 NOSE WARM AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 0.5 | <p>HEART RATE 120 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.6
 NOSE WARM AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | 1.4 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.8
 NOSE COOL AND MOIST
 NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION</p> |
| | | | | SOLUTION - POLYETHYLENE GLYCOL-300 100% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

8658-53 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 27 | | 2.7 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.5
REDUCED ANAL TENSION
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.7 | HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 27
BODY TEMPERATURE C 38.0
REDUCED ANAL TENSION
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 22.0 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.2
ANAL TENSION BETTER
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL |

SOLUTION - POLYETHYLENE GLYCOL-300 100%

PHYSICAL AND NEUROLOGIC EXAMINATION OF CATS

8658-91 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 64 F | 3.2 | 3.10 | 0.0 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.3
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.8
NOSE WARM AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 0.5 | HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.8
NOSE WARM AND DRY
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 1.0 | HEART RATE 96 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.5
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION

SUSPENSION - STEROID DILUENT |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

8658-91 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 64 F | 3.2 | 3.10 | 2.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 39.0
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.1 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.8
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 5.3 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.7
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 22.2 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.4
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |

SUSPENSION - STEROID DILUENT

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

8698-59 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 36 M | 2.8 | 4.7 | 0.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
NOSE COOL AND MOIST
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.1 | HEART RATE 96 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
NOSE WARM AND MOIST
HEARTBEAT DIFFICULT TO DETECT
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 0.6 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
NOSE COOL AND DRY
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 1.9 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
NOSE COOL AND MOIST
NO OTHER CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 4.1 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
NO CHANGES NOTED IN PHYSICAL AND NEUROLOGICAL CONDITION |
| | | | 20 | RESPIRATIONS PER MINUTE 42
HEARTBEAT DIFFICULT TO DETECT
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL |

SUSPENSION - STEROID DILUENT

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1172 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|--|
| A | | 825 | 0.0 | RESPIRATIONS PER MINUTE 78
APPEARANCE AND BEHAVIOR NORMAL
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
PRE-DOSE (SAME DAY) |
| | 1.8 | | 0.4 | SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL |
| | | | 0.8 | APPEARANCE AND BEHAVIOR NORMAL |
| | 4.85 | | 0.9 | SECOND DOSING |
| | | | 1.0 | INCREASED LOCOMOTOR ACTIVITY
EYES APPEAR MORE ALERT THAN USUAL
SKIN OF FACE PALER, MORE LIKE THAT OF OTHER MONKEYS
FACE APPEARED MORE RELAXED AND HEALTHY |
| | | | 1.2 | RESPIRATIONS PER MINUTE 66
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT |
| | | | 1.3 | RAN TO HOME CAGE TO JOIN OTHER MONKEY
INCREASED LOCOMOTOR ACTIVITY |
| | | | 2.5 | RESPIRATIONS PER MINUTE 60
APPEARANCE AND BEHAVIOR NORMAL
APPEARANCE OF ALERTNESS IN EYES SUBSIDED TO NORMAL
SKIN OF FACE DARK, AS USUAL |

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1172 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
|------------------|---------------|------------|---------------|

| | | | |
|---|------|-----|-----|
| T | 10.0 | 609 | 0.0 |
|---|------|-----|-----|

HEART RATE 320 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
APPEARANCE AND BEHAVIOR NORMAL
EXCITABLE ON HANDLING
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
PRE-DOSE (SAME DAY)

EMESIS

2.6

HEART RATE 280 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78

3.0

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1402 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| B. | 1.0 | 850 | 0.0 | HEART RATE 240 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
PRE-DOSE (SAME DAY) |
| | | | 0.2 | APPEARANCE AND BEHAVIOR NORMAL |
| | | | 0.5 | APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE |
| | | | 1.1 | RESPIRATIONS PER MINUTE 48
APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE |
| | | | 17.3 | APPEARANCE AND BEHAVIOR NORMAL |
| | | | | SOLUTION - 0.9% ASCORBIC ACID |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1402 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|--|
| B | 4.0 | 850 | 0.0 | HEART RATE 240 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
PRE-DOSE (SAME DAY)
DOSED ONE DAY AFTER NEXT LOWER DOSING |
| | | | 0.2 | APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED SPONTANEOUSLY |
| | | | 0.5 | APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE |
| | | | 1.1 | APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE |
| | | | 2.0 | APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE |
| | | | 5.0 | APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE |
| | | | 23 | IN HOME CAGE
SLIGHT TREMORS
CONSTANT LOCOMOTOR ACTIVITY
ALONE IN SHUTTLE BOX
CONSTANT LOCOMOTOR ACTIVITY
SHUTTLED SPONTANEOUSLY 15 TIMES / MINUTE |

SOLUTION - 1.0% ASCORBIC ACID

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1402 (I-M)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|--|
| B | 10.0 | 850 | 0.0 | RESPIRATIONS PER MINUTE 90
PRE-DOSE (SAME DAY)
DOSED ONE DAY AFTER NEXT LOWER DOSING |
| | | | 0.1 | ALONE IN SHUTTLE BOX
SITTING QUIETLY |
| | | | 0.2 | ALONE IN SHUTTLE BOX
SHUTTLED SPONTANEOUSLY
SOME COARSE PURRING |
| | | | 0.3 | ALONE IN SHUTTLE BOX
SOME COARSE PURRING
SHUTTLED SPONTANEOUSLY 6 TIMES / MINUTE |
| | | | 0.4 | ALONE IN SHUTTLE BOX
SLIGHT TREMORS |
| | | | 0.5 | RESPIRATIONS PER MINUTE 52
WAS FED 10 BISCUITS
ALONE IN SHUTTLE BOX |
| | | | | SOLUTION - 4.0% ASCORBIC ACID |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|--------------|
|------------------|---------------|------------|---------------|--------------|

1402 (I-M)

B 10.0 850 1.5

ALONE IN SHUTTLE BOX
SHUTTLED SPONTANEOUSLY 13 TIMES / MINUTE
TRIED TO LEAP THRU TRANSPARENT CAGE WALL 2X IN 5 MINUTES

3.0

ALONE IN SHUTTLE BOX
SHUTTLED SPONTANEOUSLY 11 TIMES / MINUTE
TRIED TO LEAP THRU TRANSPARENT CAGE WALL 12X IN 3 MINUTES

4.7

ALONE IN SHUTTLE BOX
SHUTTLED SPONTANEOUSLY 9 TIMES / MINUTE
TRIED TO LEAP THRU TRANSPARENT CAGE WALL 5X IN 2 MINUTES

23

APPEARANCE AND BEHAVIOR NORMAL
ALONE IN SHUTTLE BOX
SHUTTLED SPONTANEOUSLY 16 TIMES / MINUTE

SOLUTION - 4.0% ASCORBIC ACID

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1900 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
|------------------|---------------|------------|---------------|

| | | | |
|----|-----|-----|-----|
| A. | 1.0 | 830 | 0.3 |
|----|-----|-----|-----|

| | | | |
|--|--|--|--|
| | | | RESPIRATIONS PER MINUTE 66
NO CHANGES |
|--|--|--|--|

| | | | |
|--|--|--|---|
| | | | RESPIRATIONS PER MINUTE 66
DECREASED EQUILIBRIUM
FORWARD SOMERSAULT
SHUTTLED ON LIGHT CUE
GRASPING AND RIGHTING REFLEXES INTACT |
|--|--|--|---|

| | | | |
|--|--|--|--|
| | | | RESPIRATIONS PER MINUTE 48
WAS RETURNED TO HOME CAGE WITH OTHER MONKEYS
APPEARANCE AND BEHAVIOR NORMAL |
|--|--|--|--|

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1900 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
| A. | 10.0 | 815 | 0.1 |
| | | | 0.2 |
| | | | 0.5 |
| | | | 0.8 |
| | | | 1.9 |

PARTIAL PALPEBRAL CLOSURE
FORWARD SOMERSAULT

PLASTIC IMMOBILITY
MOVED HEAD A LITTLE TO LOOK AROUND
RESPONSIVE TO SOUND
BIT GLOVED HAND
DID NOT SHUTTLE, EVEN AFTER REPEATED ELECTRIC SHOCKS
SQUEALED ON ELECTRIC SHOCK

RESPONSIVE TO VISUAL STIMULI
RESPONSIVE TO SOUND
OTHERWISE AS ON PREVIOUS REPORTED INTERVAL

LYING ON ABDOMEN
AROUSED BY HANDLING, STOOD ON HIND LEGS, TREMBLED, LAY ON SIDE

RESPIRATIONS PER MINUTE 36
DEEP RESPIRATIONS
LYING ON SIDE
PALPEBRAL CLOSURE
RESPONDED TO SHARP SOUND BY MOVING SLIGHTLY AND WHIMPERING

SOLUTION - 0.9% SALINE

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1900 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
|------------------|---------------|------------|---------------|

| | | | |
|---|------|-----|-----|
| A | 10.0 | 815 | 2.8 |
|---|------|-----|-----|

LYING ON SIDE
GRASP STRONG
RESISTED BEING MOVED
WAS PLACED IN ISOLATION CAGE
STOOD ON 4 FEET
TREMORS IN HIND LEGS

4.5

IN ISOLATION CAGE
SITTING QUIETLY
APPEARED TO SLEEP, UNTIL AROUSED BY SOUND
RESPONSE TO SOUND SLUGGISH

5.5

CLIMBING AROUND ON LATTICE WALL OF ISOLATION CAGE
FACE BLUISH
MOTOR ACTIVITY SLUGGISH
ATE FOOD SLUGGISHLY

22

APPEARANCE AND BEHAVIOR NORMAL
HAD EATEN MOST OF FOOD
IN ISOLATION CAGE

SOLUTION - 0.9% SALINE

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1900 (I-M)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|--|
| G | 1.0 | 645 | 0.0 | RESPIRATIONS PER MINUTE 100
APPEARANCE AND BEHAVIOR NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.1 | SHUTTLED ON LIGHT AND SOUND CUES |
| | | | 0.2 | SHUTTLED ON LIGHT AND SOUND CUES |
| | | | 0.3 | RESPIRATIONS PER MINUTE 66
SLIGHT PHOTOPHOBIA |
| | | | 0.7 | SITTING QUIETLY
PARTIAL PALPEBRAL CLOSURE |
| | | | 5.5 | PALPEBRAL OPENING
RETURNING LOCOMOTOR ACTIVITY |
| | | | | SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

1900 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
| G | 3.0 | 634 | 0.25 |
| | | | 0.7 |
| | | | 1.8 |

PARTIAL PALPEBRAL CLOSURE
CROUCHING POSTURE
HEAD DROP

BETWEEN N.R. SHUTTLE TRIALS
MUCH SPONTANEOUS SHUTTLE (NORMALLY NONE, DURING SHUTTLE TEST)
SLIGHT SLOW TREMORS IN NECK

TOXIC SIGNS BEGINNING TO ABATE

SOLUTION - 0.9% SALINE

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2100 (I-M)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| G | 1.0 | 622 | 0.2 | PARTIAL PALPEBRAL CLOSURE
DECREASED LOCOMOTOR ACTIVITY
DECREASED EXCITABILITY |
| | | | 1.1 | PARTIAL PALPEBRAL CLOSURE
HICCOUGHS |
| | | | 1.5 | SKIN AROUND EYES SLIGHTLY REDDENED |
| | | | 4.5 | PARTIAL PALPEBRAL OPENING |
| | | | 24 | EXCITABILITY RETURNED TO USUAL LEVEL |
| | | | | SOLUTION - 0.9% SALINE |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2100 (I-M)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| G | 3.2 | 625 | 0.0 | RESPIRATIONS PER MINUTE 90
APPEARANCE AND BEHAVIOR NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.3 | RESPIRATIONS PER MINUTE 54
PARTIAL PALPEBRAL CLOSURE
SKIN AROUND EYES SLIGHTLY REDDENED
LOW, STIFF CROUCHING POSTURE, FEET WIDE APART & SL. HEAD DROP |
| | | | 0.5 | BETWEEN N.R. SHUTTLE TRIALS
USUALLY SHUTTLED ONLY AFTER REPEATED ELECTRIC SHOCKS
SITTING WITH HEAD FORWARD AND RESTING ON FLOOR
MUCH VOCALIZING AFTER ELECTRIC SHOCK |
| | | | 1.5 | LYING ON SIDE
IN SHUTTLE BOX WITH OTHER MONKEYS |
| | | | 2.5 | LYING ON SIDE
IN SHUTTLE BOX WITH OTHER MONKEYS |
| | | | 3.3 | SITTING UP AND LOOKING AROUND
PARTIAL PALPEBRAL CLOSURE |
| | | | 4 | SITTING UP AND LOOKING AROUND
PARTIAL PALPEBRAL CLOSURE
FACE AROUND EYES NOT RED |
| | | | 24 | APPEARANCE AND BEHAVIOR NORMAL
SOLUTION - 0.9% SALINE |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2277 (SUBCUTANEOUS)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|--|
| G | 0.18 | 653 | 0.0 | RESPIRATIONS PER MINUTE 102
APPEARANCE AND BEHAVIOR NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.1 | SHUTTLED ON LIGHT AND SOUND CUES |
| | | | 0.2 | ROLLED OVER ONTO BACK FREQUENTLY
SHUTTLED ON LIGHT AND SOUND CUES |
| | | | 0.3 | SHUTTLED ON LIGHT AND SOUND CUES |
| | | | 0.5 | SLIGHT PALPEBRAL CLOSURE |
| | | | 0.6 | MOUNTED MONKEY 'R' IN UNUSUAL, AGGRESSIVE MANNER
LAY ON BACK FOR A FEW SECONDS
BETWEEN N.R. SHUTTLE TRIALS |

SOLUTION - 0.9% ASCORBIC ACID

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2277 (SUBCUTANEOUS)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| G | 0.18 | 653 | 1.0 | FELL OVER ONTO BACK, AFTER MOUNTING MONKEY R
BETWEEN N.R. SHUTTLE TRIALS |
| | | | 3.0 | SITTING QUIETLY
PARTIAL PALPEBRAL CLOSURE
BETWEEN P.R. SHUTTLE TRIALS |
| | | | 5.0 | RETURNING LOCOMOTOR ACTIVITY
AT TIMES STOOD ON HIND LEGS, RESTING TOP OF HEAD ON FLOOR |
| | | | 5.5 | LAY ON BACK AND PULLED TAILS OF OTHER MONKEYS |
| | | | 24 | RETURNING LOCOMOTOR ACTIVITY
AT TIMES STOOD ON HIND LEGS, RESTING TOP OF HEAD ON FLOOR
TOXIC SIGNS DECREASING |
| | | | | SOLUTION - 0.9% ASCORBIC ACID |

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2277 (SUBCUTANEOUS)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| A | 0.3 | 830 | 0.0 | <p>RESPIRATIONS PER MINUTE 66
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>INTERMITTENT CIRCLING
ALONE IN SHUTTLE BOX</p> |
| | | | 0.2 | <p>RESPIRATIONS PER MINUTE 45
RUMP HELD HIGH, HEAD HUNG LOW
FOR MANY MINUTES
IMMOBILE WHEN HELD IN HAND
SPONTANEOUS LOCOMOTOR ACTIVITY MARKEDLY REDUCED
NO RESPONSE TO SOUND
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT</p> |
| | | | 0.6 | <p>RESPIRATIONS PER MINUTE 36
COUNTING ONE DEEP & ONE SHALLOW RESPIRATION AS ONE
ONE DEEP RESPIRATION ALTERNATING WITH ONE SHALLOW RESPIRATION
GENERALLY IMMOBILE
PHOTOPHOBIA
RESPONSIVE TO LOUD SOUND
RESPONSIVE TO ELECTRIC SHOCK
GRASPING AND RIGHTING REFLEXES INTACT</p> |
| | | | 0.7 | <p>TOXIC SIGNS BEGINNING TO ABATE</p> |

SOLUTION - 0.9% ASCORBIC ACID

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2277 (SUBCUTANEOUS)

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|------------------|---------------|------------|---------------|---|
| A | 0.3 | 830 | 2.3 | LETHARGY MARKEDLY ABATED
SLIGHT SEDATION
SHUTTLED ON ELECTRIC SHOCK
LOCOMOTOR ACTIVITY SLOW AND AWKWARD |
| | | | 2.4 | WAS RETURNED TO HOME CAGE WITH OTHER MONKEYS
APPROACHED MK. B IN ODD MANNER, PURSUED AS MK. B
FOR MANY MINUTES
(MK. B NORMALLY PASSIVE WHEN MOUNTED BY MK. A) |
| | | | 3.0 | SITTING QUIETLY WITH MK. B , IN NORMAL MANNER
SOLUTION -- 0.9% ASCORBIC ACID |

REREATED

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2598 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
| B | 0.28 | 820 | 0.2 |
| | | | 0.3 |
| | | | 0.7 |
| | | | 1.8 |

APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE

HEART RATE 200 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
SHUTTLED ON LIGHT CUE

RESPIRATIONS PER MINUTE 102
APPEARANCE AND BEHAVIOR NORMAL
SHUTTLED ON LIGHT CUE

HEART RATE 248 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
PUPILS NORMAL IN SIZE AND REACTION TO LIGHT
APPEARANCE AND BEHAVIOR NORMAL
WAS RETURNED TO HOME CAGE WITH OTHER MONKEYS

SOLUTION - 0.1 N HYDROCHLORIC ACID QS WITH 0.9% SALINE

SECOND DOSING

4.4

0.84

RESPIRATIONS PER MINUTE 76
SHUTTLED ON LIGHT CUE

4.7

5.1

SHUTTLED ON LIGHT CUE
APPEARANCE AND BEHAVIOR NORMAL

PHYSICAL AND NEUROLOGICAL EXAMINATIONS OF SQUIRREL MONKEYS

2598 (I-M)

OBSERVATIONS

| MONKEY
NUMBER | DOSE
MG/KG | WT.
GM. | TIME
HOURS |
|------------------|---------------|------------|---------------|
|------------------|---------------|------------|---------------|

THIRD DOSING

5.4

APPEARANCE AND BEHAVIOR NORMAL
IN HOME CAGE

APPEARANCE AND BEHAVIOR NORMAL

6.5

MOVEMENTS SLIGHTLY JERKY

MUCH SPONTANEOUS SHUTTTLING (NORMALLY NONE, DURING SHUTTLE TEST)

SOLUTION - 0.1 N HYDROCHLORIC ACID QS WITH 0.9% SALINE

0.3

630

5.0

G